EP100 Digital Media Player
Owner's Manual

Thank you for purchasing a Micca product. Should you need any assistance, please contact our technical support before returning the product to the retailer. Email support@miccastore.com

Product information, firmware updates, and common questions and answers can be found at: http://content.miccastore.com/

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1 Introduction

1.1 Preface

Thank you very much for purchasing this media player. We hope you will enjoy using it as a great home entertainment device. This player has the following functionality:

1.1.1 A/V Output

- HDMI for high-definition video and digital audio
- Composite & component video and stereo audio for analog audio-visual connection
- S/PDIF coaxial & optical interface for high-fidelity digital audio
- Adjustable video output resolution (NTSC, PAL, 480p, 576p, 720p, 1080i, 1080p)

1.1.2 Multimedia Playback

- Supports major audio, video and image file formats (1080p HD video decoding)
- Video format: AVI, MKV, TS, TP, TRP, M2TS, MPG, MP4, M4V, MOV, VOB, ISO, IFO, DAT, WMV, ASF, RM, RMVB, FLV
- Audio format: MP3, OGG, WMA, WAV, AAC, FLAC
- Photo format: JPEG, BMP, GIF, TIF, PNG
- Photo slide show with background music

1.1.3 Network Feature

- A/V streaming via Ethernet (10M/100M) & optional WLAN (802.11b/g/n) dongle
- A/V streaming via UPnP Media Server
- SAMBA file server for sharing files to other network devices
- BitTorrent download (controlled and managed through web browser)

1.1.4 File Copy

- Supports copying & moving files among USB, HDD, and Network

1.1.5 Storage Support

- USB 2.0 HOST ports (2) for connecting USB storage devices
- eSATA port for connecting external SATA hard disk drives
- Supports drives using MBR partition table and FAT32/NTFS file system up to 2TB

Note: All the information contained in this manual was correct at the time of publication. However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.

1.2 Packing List

Part	Quantity
Player	1
Remote Control	1
AC/DC Adaptor	1
User Manual (printed)	1

Note: The actual contents in the package might be different from the packing list in this manual.

1.3 Precautions

This player's design has your safety in mind. In order to safely and effectively use this player, please read the following before usage.

1.3.1 Usage Cautions

Users should not modify this player. If a commercial hard disk drive is being used, the environmental temperature should be between 40 to 95 degrees Fahrenheit.

1.3.2 Power

The player's power supply voltage is DC 5V 2A.

When using this player, please connect the supplied AC adapter or AC adapter cable to the player's power jack. When placing the adapter cable, make sure it is not damaged or subject to pressure. To reduce the risk of electric shock, unplug the adapter first before cleaning it. Never connect the adapter to the player in a humid or dusty area. Do not replace the adapter or cable's wire or connector.

1.3.3 Radio Interference

- If not properly shielded, almost all electronic devices will get radio interference. Under some conditions, your player might get interference.
- The design of this player has followed the FCC/CE standard, and adheres to the following rules:

  1) This player may not cause harmful interference;
  2) This player could accept some interference received including interference that may cause undesired operation.

1.3.4 Repair

If the player has a problem, you should take it to an appointed repair center and let the specialists do the repair, never repair the player yourself, you might damage the player or endanger yourself or your data.

1.3.5 Disposing of the Player

When you dispose of the player, be sure to dispose it appropriately. Some countries may regulate disposal of electrical device, please consult with your local authority.

1.3.6 Hard Disk Cautions

The player uses a SATA hard disk for data storage. New hard drives need to be properly formatted prior to use.

Users should carefully read the Frequently Asked Questions chapter and check our website for latest information before formatting the hard disk.

- Physical impact may damage the hard disk drive. When hard drive errors occur, please use CHKDSK to scan and fix problems.
- All data stored in the player may be lost due to physical impact, electrical shock, power lost, HDD format etc. Please backup your data.
- It is suggested to perform a disk defragment after a long period of usage.
- Regularly backup the data in the hard disk so that it can be recovered in the event of data corruption or loss. Our company takes no responsibility for loss of data stored on the hard disk.

1.3.7 Additional Precautions

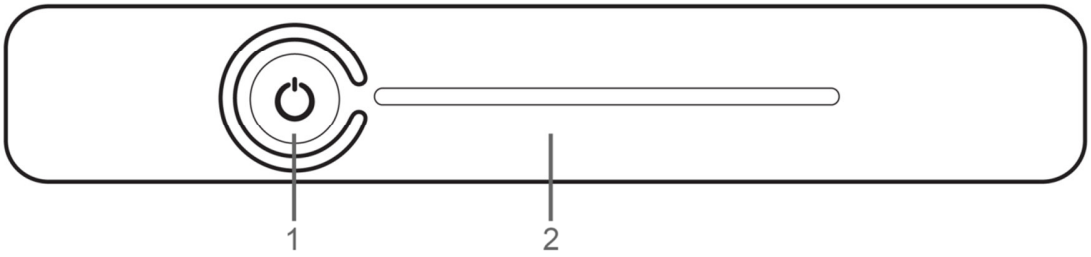
When using this player, please do not let the player come into contact with water or other liquid. If water is accidentally spilled on the player, please use a dry cloth to absorb the spillage.

Electronic products are fragile. Please be gentle during use; avoid shaking or hitting the player, and do not press the buttons too hard.

- Do not let the player come into contact with water or other liquids.
- Do not disassemble, repair or change the design of the player, any damage done will not be included in the repair policy.
- Do not press the buttons of the player too hard.
- Avoid hitting the player with hard objects, shaking the player, and stay away from magnetic fields.
- Electrostatic discharge may cause the product to malfunction. When this happens, unplug the power cable and the product will return to normal operation next time it is powered on.

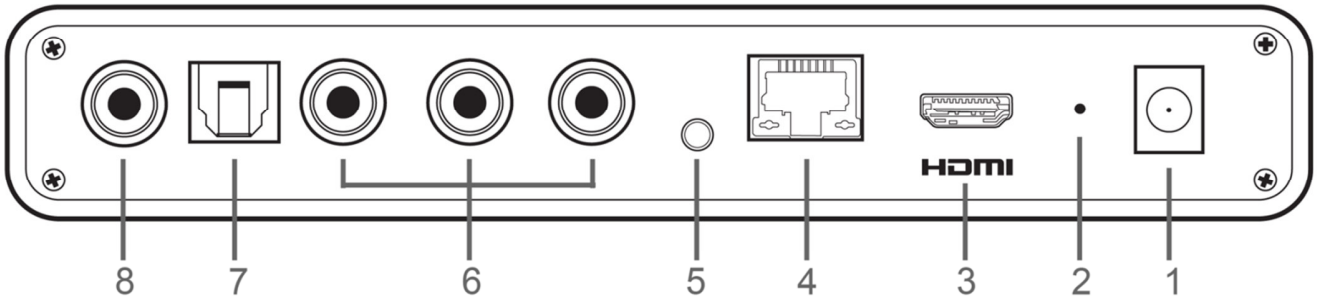
2 Player and Remote Overview

2.1 Front Panel



	Name	Description
1	**On/Stand-By Indicator**	Red when player is in stand-by mode
2	**Power Indicator**	Glows blue when the player is turned on

2.2 Rear Panel



	Name	Description
1	DC 5V	DC power input, 5V. Only use the AC adapter provided with the player.
2	UPGRADE	Pin-hole button for performing firmware update in recovery mode. See ***'9.6.2 USB Upgrade'*** for more information.
3	HDMI	Provides digital audio/video to a TV or home theater with HDMI input.
4	LAN	Gigabit Ethernet for Internet or LAN network access.
5	Y/Pb/Pr	Component video output to a TV or home theater with component video input. (Component cable sold separately)
6	VIDEO/L/R	Composite video and analog Left/Right audio output to a TV or home theater with analog AV input.
7	OPTICAL	S/PDIF optical digital audio output to a home theater receiver with optical audio input.
8	COAXIAL	S/PDIF coaxial digital audio output to a home theater receiver with optical audio input.

2.3 Remote Control

All player functions can be controlled by using the remote control. See the following for details on the function of each button.

1. POWER
2. COLOR BUTTONS
3. EJECT
4. VFD
5. TIMER
6. SETUP
7. TV MODE
8. 16:9
9. BOOKMARK
10. ZOOM
11. REPEAT
12. MOVIE
13. MUSIC
14. PHOTO
15. AUDIO
16. SUBTITLE
17. MUTE
18. MENU
19. VOL+/VOL-
20. HOME
21. RETURN
22. DIRECTIONAL KEYS
23. OK/ENTER
24. INFO
25. SEARCH
26. PREV/NEXT
27. IMS
28. REWIND
29. PLAY/PAUSE
30. STOP
31. FAST FORWARD

Button	Description
POWER	Press to power on/off the player.
COLOR BUTTONS	Context buttons; Function will be noted when available.
EJECT	Press to stop a storage device for safe removal.
VFD	Not used for this model
TIMER	Sets the timer for auto power off. Each press cycles the timer from 15 minutes up to 5 hours.
SETUP	Press to enter the setup menu for changing player settings.
TV MODE	Press to switch between available video output modes: NTSC, PAL, 480p, 576p, 720p, 1080i/p.
16:9	Switches among 16:9, 16:10, Pan Scan 4:3, and Letter Box 4:3.

BOOKMARK	Press to add the current playing video to the bookmark list. At the main menu, press to view the bookmark list. This feature is only available for media files on attached storage drives.
ZOOM	Press to zoom when viewing photos or playing videos. Photo zoom levels: 2x, 4x, 8x, 16x. Video zoom levels: 2x, 3x, 4x, 8x.
REPEAT	Press to set repeat option for the current file. Videos: Repeat-All, Repeat-Title, Repeat-Off Photos: Repeat-All, Shuffle Loop, Repeat-Off Music: Does not function. Use the MENU button to set repeat
MOVIE	Press to jump to the movies media library. The media library must be already created.
MUSIC	Press to jump to the music media library. The media library must be already created.
PHOTO	Press to jump to the photos media library. The media library must be already created.
AUDIO	Press to change audio tracks when playing videos.
SUBTITLE	Press to change the subtitle track when viewing videos. Use the MENU button to access the full subtitle settings menu.
MUTE	Press to mute audio output; press again to unmute.
MENU	Press to access the settings menu for the current function. Menu is context sensitive and will be different depending on function.
VOL+/VOL-	Press to change the output volume. (Hint: Set volume to max and use the TV or AV receiver to control volume).
HOME	Press to display the main menu icons on the bottom of the screen.
RETURN	Press to return to the previous screen when navigation menus. Press to exit the current folder when browsing files.
DIRECTIONAL KEYS	Press the arrow buttons to highlight items whenever needed.
OK/ENTER	Press to confirm the highlighted item.
INFO	Press to display information about the currently playing video, music, or photo.
SEARCH	During video playback, press once to display the time slide bar, and press again to display the jump-to time entry menu. In the media library mode, press to show the file search menu.
PREV/NEXT	Press to go to previous/next page in file browser or media library. Press to go to previous/next chapter during BD/DVD playback. Press to go to previous/next file during media file playback.
IMS	Press to access the Internet Media Service menu.
REWIND	Press to rewind the current playback. Press repeatedly to change rewind speed.
FAST FORWARD	Press to fast forward the current playback. Press repeatedly to change fast forward speed.
PLAY/PAUSE	Press to begin or pause playback.
STOP	Press to stop playback.

3 Connections

3.1 Basic Connections

3.1.1 Connecting the Power Supply

To connect power to the player:

1) Connect the barrel connector of the AC adapter to the player's DC IN jack
2) Connect the plug of the AC adapter to the power outlet

3.1.2 Connecting an External eSATA Hard Disk Drive

The player has an eSATA connector connecting an eSATA hard disk drive. Media files can be stored on the hard drive for playback.

Install the hard drive in the by following these steps:

1) Connect one end of an eSATA cable to the player's eSATA connector.
2) Connect the other end of the eSATA cable to an eSATA hard disk drive.
3) Turn on the eSATA hard disk drive's power supply.

It is recommended that external hard disk drives be protected by a silicone drive sleeve to avoid shock, vibration, and accidental electrical short, all of which may permanently damage the drive and result in data loss.

3.1.3 Formatting the Hard Disk Drive

If the hard disk drive connected to the player's eSATA connector is brand new, it must be initialized and formatted before it can be used. This can be done by connecting the drive to a computer prior to installing it in the player, or by using the player's built-in format capabilities. Please refer to ***'9.1.11 Format'*** for more details on formatting the hard drive using the player.

3.1.4 Connecting a USB Storage Device

Storage devices such as USB hard drives or flash drives can be connected to the player for playback of media files.

1) Plug in the USB device to one of the USB HOST ports on the left side of the player.
2) After about 5-10 seconds, the USB drive will be detected and can be accessed through the player.

3.2 Audio and Video Connections

The player can be connected to a TV/HDTV or home theater system in a variety of methods. For best results, always use the best method available for connection:

Results	Video	Audio	Requirement
Best	HDMI	HDMI	TV with HDMI input and home theater receiver that can decode Audio over HDMI.

Better	HDMI	Digital coaxial or optical	TV with HDMI input and home theater receiver with Coaxial or Optical input.
Good	Component (YPbPr)	Digital coaxial or optical	TV with component input and home theater receiver with Coaxial or Optical input.
Okay	Composite Video	Analog L/R	TV with composite video and analog audio inputs.

3.2.1 HDMI Connection

HDMI provides the best possible video and audio connection. Use this connection whenever possible.

1) Plug one end of the HDMI cable to the player's HDMI output jack.
2) Plug the other end of the HDMI cable to a HDMI input jack on the TV or home theater receiver.
3) Please refer to ***'9.3.2 TV System'*** for more details on configuring the player's video output.
4) Please refer to ***'9.2.2 HDMI Output'*** for more details on configuring the player's HDMI audio output.
5) Consult the TV or home theater receiver's manual for configuring its HDMI inputs.

3.2.2 Digital Audio Connection

When using a home theater receiver or sound system that lacks HDMI input, the player's coaxial or optical digital audio output can be used.

1) Plug one end of the coaxial or Toslink optical cable to the player's digital audio jack.
2) Plug the other end of the coaxial or Toslink optical cable to the home theater receiver or sound system's digital audio input jack.
3) Please refer to ***'9.2.3 SPDIF Output'*** for more details on configuring the player's coaxial/optical audio output.
4) Consult the receiver or sound system's manual for configuring its coaxial/optical inputs.

3.2.3 Component Video Connection

When using a TV that does not have HDMI input but has component video, the player's component video output can be used.

1) Plug one end of the red/blue/green component video cable to the player's component (YPbPr) video jacks.
2) Plug the other end of the red/blue/green component cable to an available component video input on the TV.
3) Please refer to ***'9.3.2 TV System'*** for more details on configuring the player's video output.

4) Consult the TV's manual for configuring its component video inputs.

Note: Component video connection only carries video signal. The audio signal must be connected separately, such as through digital coaxial/optical or analog L/R audio connection.

3.2.4 Composite Video and Analog Audio Connection

When using a TV that only has composite video input, the player's composite video and analog L/R audio output can be used.

1) Plug one end of the red/white/yellow AV cable to the player's AV jacks.
2) Plug the other end of the red/white/yellow AV cable to an available AV input on the TV.
3) Please refer to ***'9.3.2 TV System'*** for more details on configuring the player's video output.
4) Consult the TV's manual for configuring its AV inputs.

3.3 Network Connections

3.3.1 Connecting to a Wired LAN Network

A wired Ethernet connection provides the best results for streaming media content through the network. Use a wired Ethernet connection whenever it is possible to do so.

1) Plug one end of a Cat5/5e/6 Ethernet network cable to the player's LAN jack.
2) Plug the other end of the Cat5/5e/6 Ethernet network cable to an available port on a LAN switch, router, or networked wall plate.

The player auto detects LAN network settings in most cases without requiring any additional configuration. Advanced users can refer to ***'9.4 Network Settings'*** for more details on manual network configuration.

3.3.2 Connecting to a Wireless Network

When a wired network connection is not available, the player can stream A/V content through the network by using a compatible 802.11n WLAN adapter (sold separately).

1) Plug a compatible 802.11n WLAN adapter to one of the USB ports on the player.
2) Power on the player.
3) Refer to ***'9.4 Network Settings'*** for more details about WLAN setup.

Note: A/V streaming performance over WLAN is highly dependent on location, distance to router, the number of floors and walls in the signal path, other 2.4GHz devices in the area, and other such variables that differ on a case by case basis. It may be difficult to reliably stream HD quality (720p and 1080p) videos over a WLAN connection even if the signal strength appears to be strong. Always use a wired Ethernet connection when available.

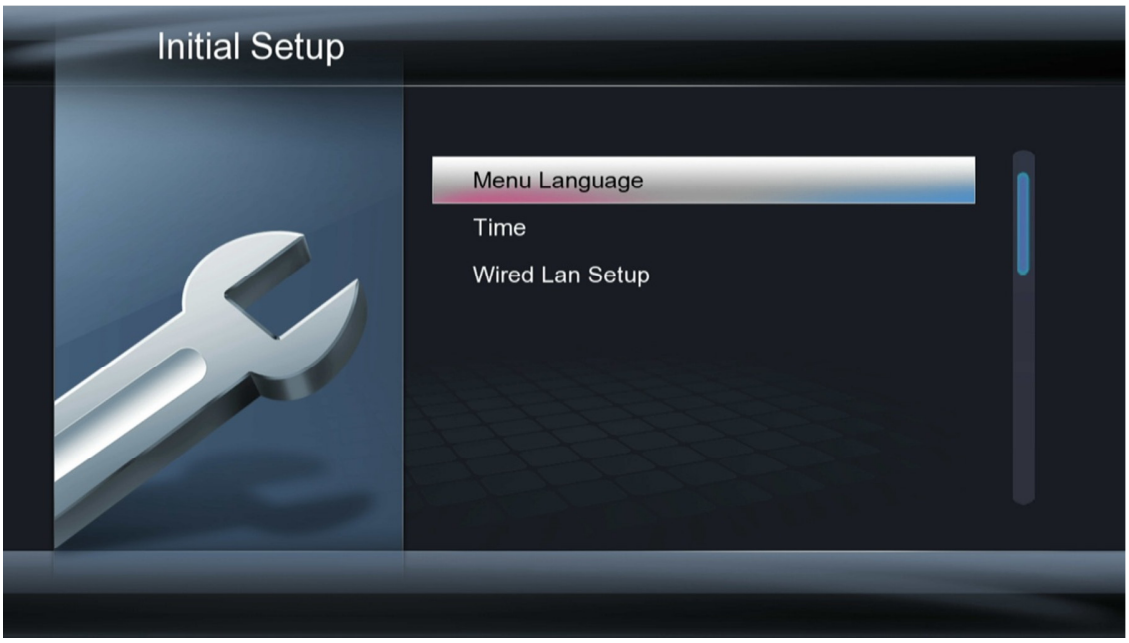
4 First Time Startup

4.1 Power On

After connecting the AC power adapter to the player's DC IN jack, turn on the player by press the **POWER** button on the front of the player or on the remote control. To turn the player off, press the **POWER** button on the front of the player or on the remote control again.

4.2 Initial Setup

When turning on the player for the first time, it will prompt the user to select the menu language, time, and wired LAN settings.



4.2.1 Menu Language

Choose the desired language. This is the language that will be used for menus and interface.

4.2.2 Time

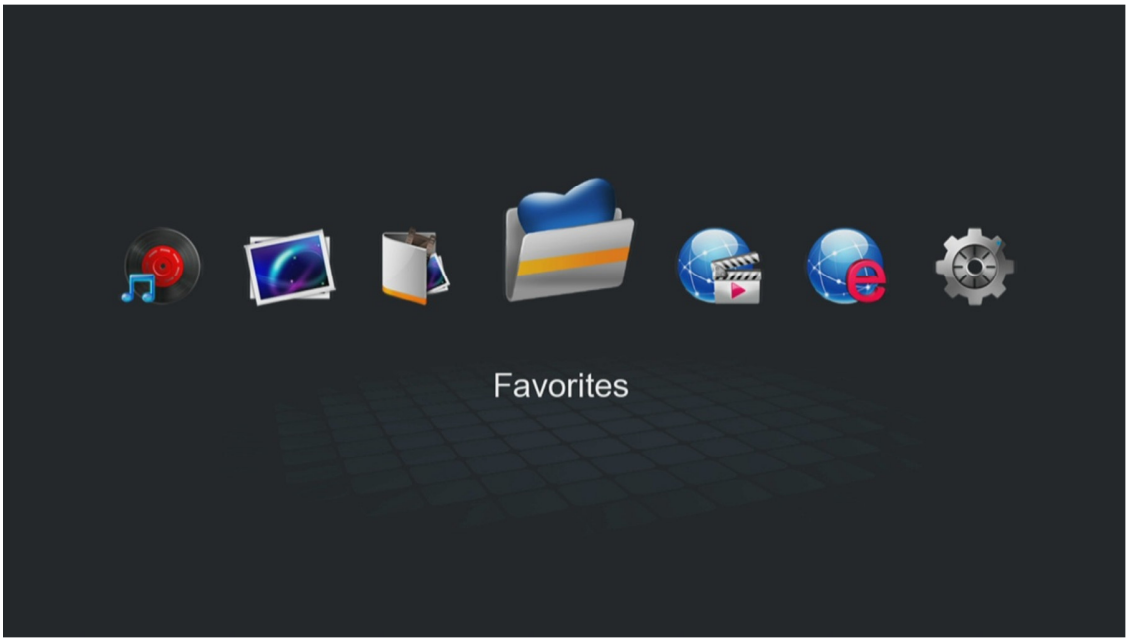
Setting the time of the player is optional. To set the time, first select Time Zone relative to GMT. Next the user is prompted to enter the date and time. If you skip this step, please refer to ***'9.1.3 Time'*** for instructions on how to set the player's time through the Settings menu.

4.2.3 Wired LAN Setup

This step of the initial setup is optional. Refer to ***'9.4 Network Settings'*** for more details about network setup. If the user skips this step during initial setup, the settings can be performed through the player's Settings menu. For most cases, the "DHCP IP (Auto)" setting is the correct setting. Only advanced users should choose the "FIX IP (Manual)" setting.

4.3 Main Menu

When the initial setup is complete, the player will display the main menu.



The main menu contains a row of menu items that represents functions available for access. The main menu items have the following functionality:

Menu Item	Description
Movies	Browse and play video files on attached storage devices through the media library feature. Only available if local storage devices are present and media library has been created.
Music	Browse and play music files on attached storage devices through the media library feature. Only available if local storage devices are present and media library has been created.
Photos	Browse and view photos on attached storage devices through the media library feature. Only available if local storage devices are present and media library has been created.
File Manager	Browse and play media files on attached storage devices or through the network. Media files are organized in their original folder structure.
Favorites	Browse and play media files on attached storage device or through the network that was previously added to the Favorites list.
Internet Apps	Access various Internet video, music, and photo content. Availability of content may change and is not guaranteed as content providers may adjust content available at any time without notice.
Web Browser	Perform simple web browsing with a light weight HTML5 compatible browser.
Setup	Access the setup menu to change player settings.

5 File Manager

The file manager is the default method for browse media files on hard drives, USB drives, network folder shares, or UPnP servers. Media files will be organized in their original folder structure. The file manager can also be used to copy/move/rename/delete files.

To access the file manager, select the File Manager icon from the main menu and press **OK/ENTER** on the remote control. All available storage devices and network connections will be listed. Select the desired device to browse media files on:

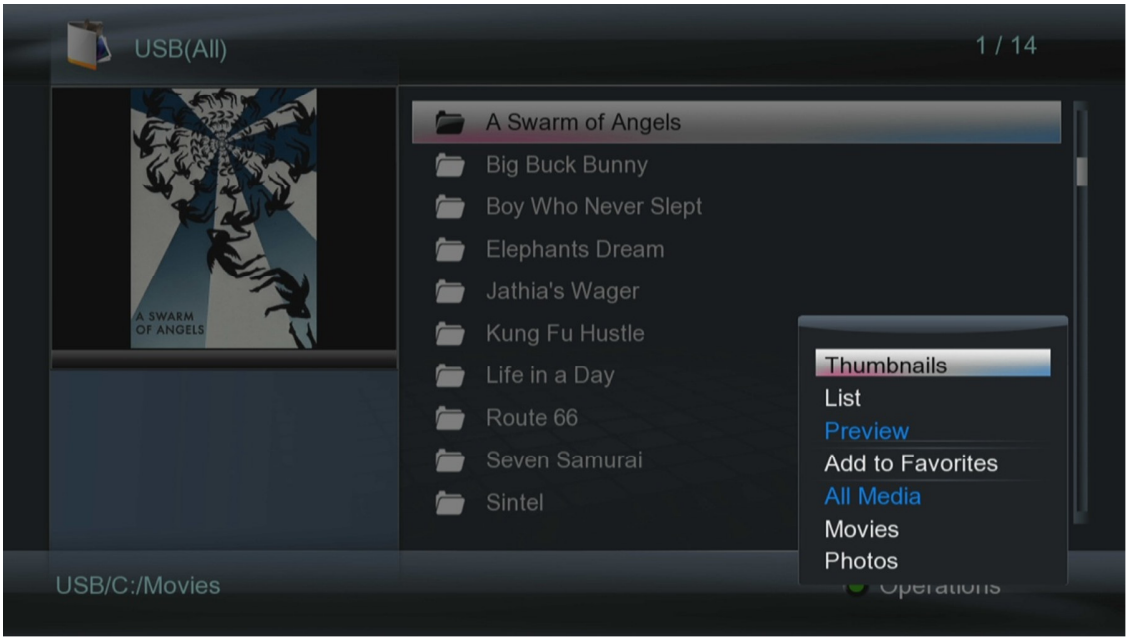
Menu Item	Description
USB	Browse media files on an external USB drive attached to the player.
HDD	Browse media files on a hard disk drive connected via eSATA.
Network	Browse media files on LAN folder shares.
UPnP	Browse media files on UPnP servers.
NFS	Browse media files on NFS folder shares

5.1 Browsing For Media Files

After selecting a storage device media files will be displayed in the same folder structure as they are stored. Use the directional **LEFT/RIGHT** and **UP/DOWN** buttons on the remote control to select folders or files and press **OK/ENTER** to enter a folder. To exit from a folder, press the **RETURN** button. To play a media file, highlight it and press the **OK/ENTER** button.

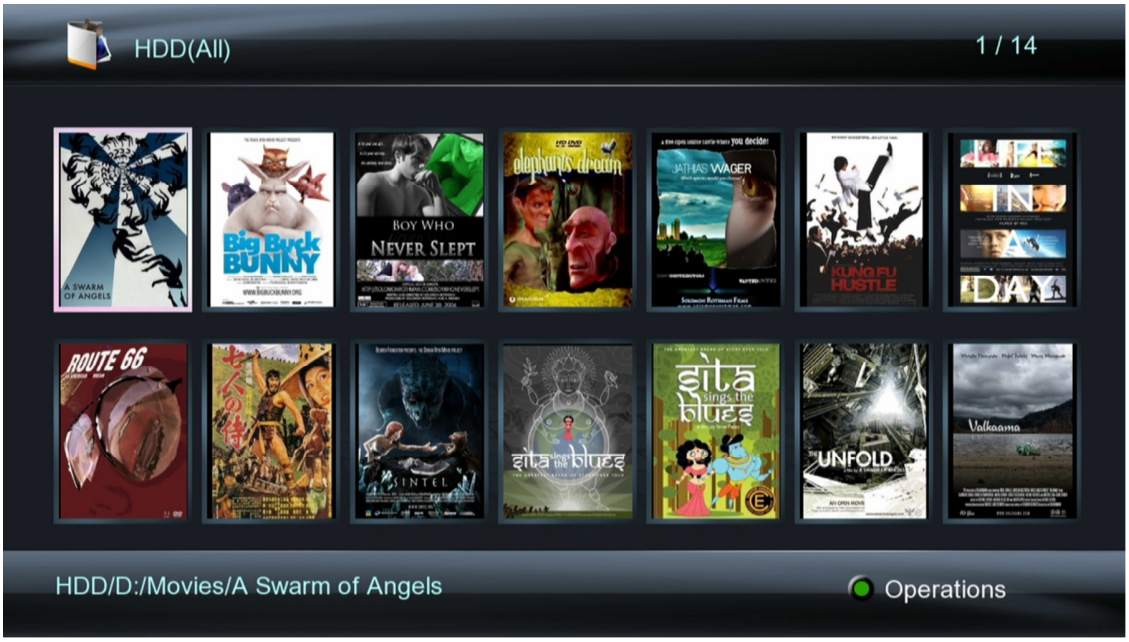
To make it easier and more intuitive to browse media files, three different media display modes are available: Thumbnail, List, and Preview. To change the display mode, press the **MENU**

button on the remote to bring up the options menu and select the desired display mode



5.1.1 Thumbnail View

Thumbnail view displays folders and media files as thumbnails on the screen with a partial file name underneath. This is useful for browsing photos and movies with associated cover art.

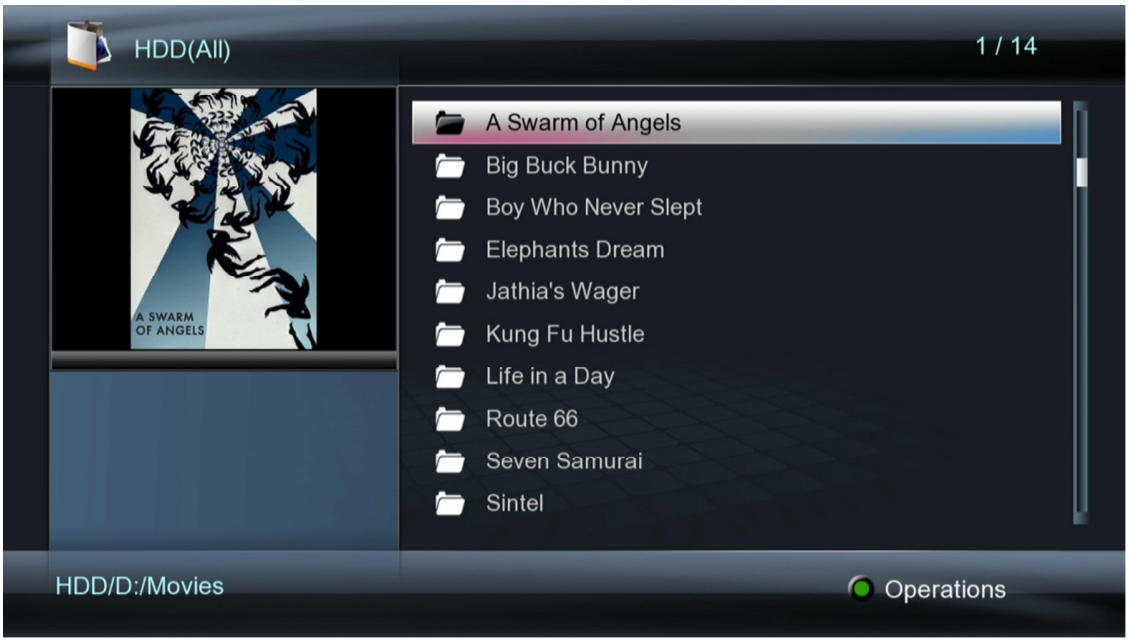


5.1.2 List View

The list view displays folder and media files as a simple list with the full file name displayed. This view loads faster and is suitable for navigating large collections of folders and files.

5.1.3 Preview

In preview mode, folders and media files are displayed as a list on the right side of the screen and a preview window on the left side. When a folder or media file is highlighted in the list, the preview window displays a thumbnail or video preview.



5.2 Browsing Network Folder Shares

The player has the ability to browse and play media files from folder and file shares on the local area network, such as Windows PCs, NAS devices, or Linux computers with SAMBA server enabled. Streaming from Mac OS X 10.7 or later is not supported. Setup and configuration of folder shares on different computing platforms is beyond the scope of this manual; please refer to Internet tutorials appropriate for each platform. A Windows 7 folder sharing tutorial is available

at the following URL: http://content.miccastore.com/node/230

To browse for media files in shared folders on the local area network, elect “Network” from the file manager device list. On the next screen, select WORKGROUP and a list of available host names will be shown. Select one of the host names and all available folder shares from that host will be displayed. If the host requires a username and password for accessing a folder share, a login box will be displayed.

Once the shared folder has been opened, browsing for media files works the same as browsing on storage devices attached to the player. The same view modes of Thumbnail, List, and Preview are available.

5.3 Using Network Shortcuts

Some computers or devices do not have a host name or is not a part of the WORKGROUP network. Shortcuts allow accessing these devices through their IP addresses.

To setup and use network shortcuts, select “Network” from the file manager and select “My_Shortcuts” on the next screen. Press the **RED** button on the remote control to bring up the shortcuts menu and select “Add”. Next enter the username, password, and IP address of the host. If a username and password is not needed, leave these fields blank. Select “OK” after entering the above information and the shortcut will be created. Shortcuts can be modified or deleted by pressing the **RED** button on the remote to bring up the shortcuts menu.

5.4 Browsing UPnP Servers

The player is able to stream media content from UPnP servers through its network connection. Most modern operating systems have bundled or free UPnP server software available. Some popular UPnP server software includes Windows Media Player 11, XBMC Media Center (Linux/Mac/Windows), and MediaTomb (Linux). Setup and configuration of an UPnP server is beyond the scope of this manual; installation and setup tutorials are available on the Internet for the aforementioned UPnP server software.

To access UPnP servers, select “Network” from the file manager device list. On the next screen, select UPnP and a list of available UPnP servers will be shown. Select one of the server names and all available media categories from the server will be displayed.

Use the directional **LEFT/RIGHT** and **UP/DOWN** buttons on the remote control to select folders or files and press **OK/ENTER** to enter a folder. To exit from a folder, press the **RETURN** button. To play a media file, highlight it and press the **OK/ENTER** button.

Because UPnP servers acts as a streaming server and not provide direct access to the underlying media files, some playback features may not be available depending on the UPnP server. Examples of features that may not be available include switching of audio tracks and subtitles, or access to DVD menus. For this reason, it is recommended to stream media files over a network using file/folder shares instead of UPnP whenever possible.

5.5 Favorites

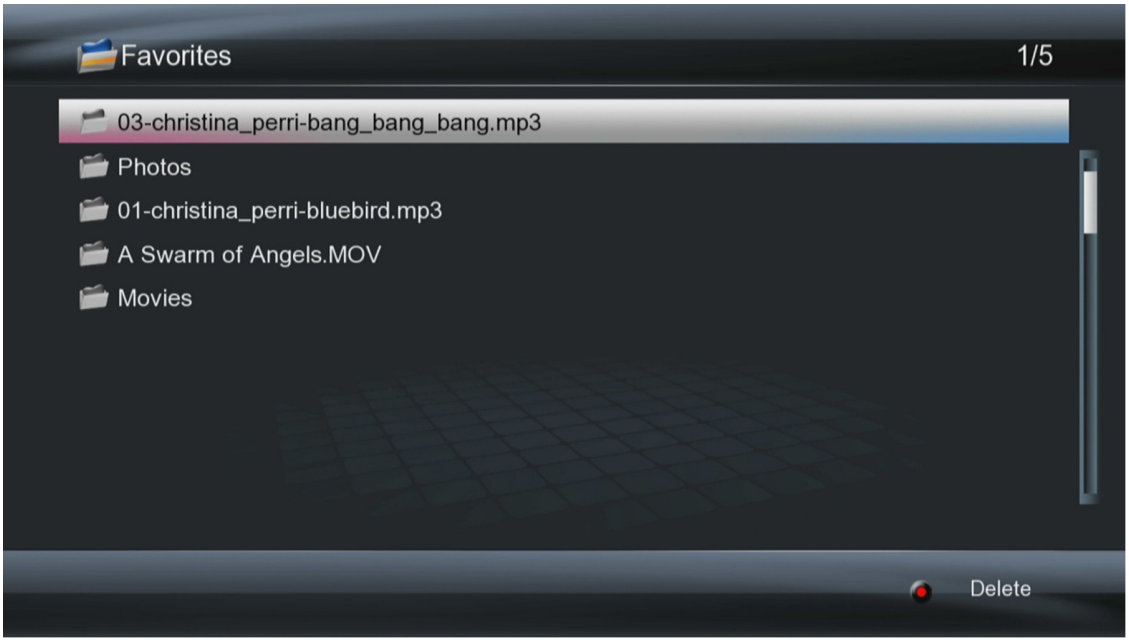
While browsing media files using File Manager, the player has the ability to tag files and folders as “Favorites” so that they can be returned to easily in the future without having to navigate the entire network or folder structure again. This feature works for locally attached storage devices as well as network folder shares. This feature does not support media files shared on UPnP servers.

5.5.1 Tagging Favorite Files and Folders

To tag a file or folder as a favorite, highlight the file or folder in File Manager and press the **MENU** button on the remote to bring up the options menu and select “Add to Favorites”

5.5.2 Accessing Favorites

To access the list of previously tagged files or folders, select the Favorites icon from the main menu and press **OK/ENTER** on the remote control. All files and folders previously tagged as favorite will be listed. Select the desired file or folder to play and press **OK/ENTER** on the remote control.



5.5.3 Deleting Favorites

To delete a file or folder from the favorites list, highlight the file or folder from the Favorites screen and press the **RED** button on the remote control.

5.6 File Operations, Playlists, Photo Albums

The file manager contains additional functionalities, such as file copying/deleting/renaming, and creation of playlists and photo albums.

5.6.1 Single File Operations

To access the file operations menu, highlight a file or folder and press the **GREEN** button on the remote control.

Setting	Description
Copy	Copy the highlighted file or folder – the user will be prompted to select the destination location
Delete	Delete the highlighted file or folder
Move	Move the highlighted file or folder – the user will be prompted to select the destination location
Rename	Rename the highlighted file or folder
Edit Playlist	If the highlighted file is a M3U playlist file, it can be edited by selecting this option, such as for deleting or adding songs.
Edit Photo Album	If the highlighted file is a photo album file, it can be edited by selecting this option, such as for deleting or adding photos.
Multiple Select	Perform copy, delete, move, create playlist, or create photo album on multiple files or folders.
Add Media Library	Add the currently highlighted file to the media library. This is only available for files on storage devices attached to the player.
Del Media Library	Delete the currently highlighted file from the media library. This is only available for files on storage devices attached to the player.
Refresh Media Library	Update the media library info for the currently highlighted file. This is only available for files on storage devices attached to the player.

5.6.2 Multi-File Operations

To perform file operations on multiple files, first press the **GREEN** button on the remote while highlighting a file or folder in file browser, then select Multiple Select from the file operations menu. The multi-file operations menu will display:

The multi-file operations menu has two sections, the right section is a file/folder browser box, and the left section shows files and folders that have been selected. While in the multi-file operations menu, the following remote control commands are available:

Button	Description
RETURN	Exit from the multi-file operations menu
UP/DOWN	Move the cursor to highlight files or folders
LEFT/RIGHT	Switch between the left or right boxes of the menu
OK/ENTER	Enter the highlighted folder – to exit from the current folder, highlight the ".." folder at the top – DO NOT press the **RETURN** button.
PREV/NEXT	Go to previous or next page
PLAY/PAUSE	Add or remove the current file or folder from the list
STOP	Clears all files or folders from the file list
GREEN	Display the file operations menu (Please see below)

After adding the desired files or folders to the file list, press the **GREEN** button on the remote to initiate multi-file operations.

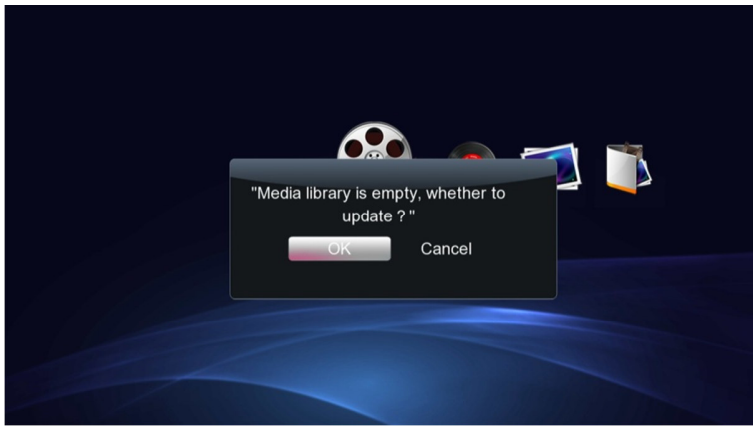
Setting	Description
Copy	Copy the list of files or folders – the user will be prompted to select the destination location
Delete	Delete the list of files or folders
Move	Move the list of files or folders – the user will be prompted to select the destination location
Save Playlist	If the list of files or folders contains music files, they can be added together into a new playlist. The user will be prompted to enter a name for the playlist.
Save Photo Album	If the list of files or folders contains photos, they can be added together into a new photo album. The user will be prompted to enter a name for the album.

6 Media Library

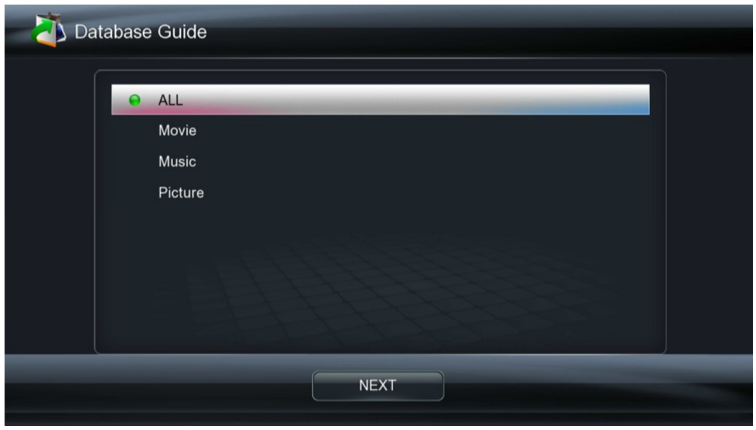
The player has a media library feature for organizing media files on storage devices attached to the player. Within the media library, all media files are organized by type (video, music, or photo), and a search function is available for quickly locating specific files or groups of files, even when there are tens of thousands of files. The media library feature does not work with network folder/file shares.

6.1 Media Library – Setup

Prior to using the media library, the player must perform a media scan. The player must have an attached eSATA hard disk drive and/or USB drives with media files.



To begin setting up the media library, highlight the Movies, Music, or Photos icon on the main menu and press **OK/ENTER** on the remote control. A message box will pop up indicating that the media library is empty and asking if you wish to update it.



Next, you will be asked which type of media files to include in the media library. It's recommended that only Movie files be placed into the media library for best performance. If the drive contains only a small number of music or photo files, then it is okay to index all files.

On the next screen, you will be asked which storage devices to be included in the media library. The drives are listed by the drive letter. Deselect the drives you do not want media files indexed. For example, you may not wish to index media files on a USB flash drive.

On the next screen, you will be asked to select certain media library optimization features, such as skipping hidden directories. It is

recommended that all boxes should be checked.

Next, the player will begin scanning and indexing the media files on the selected storage devices. When finished, the main menu will be displayed. The media library is now ready for use. You may now select Movies, Music, or Photos from the main menu to access media files.

6.2 Media Library – Rescanning

Because indexing the media library can be time consuming with a large number of files, the player does not automatically rescan storage devices for changes. If media files have been added or deleted, the media library can be updated by performing a re-scan.

To perform a rescan, first access the media library by selecting the Movies, Music, or Photos icon from the main menu. Then press the **GREEN** button on the remote control to access the operations menu. Select “Scan all media library” to initiate rescan. The rest of the steps are the same as creating the media library for the first time.

6.3 Media Library – Clearing

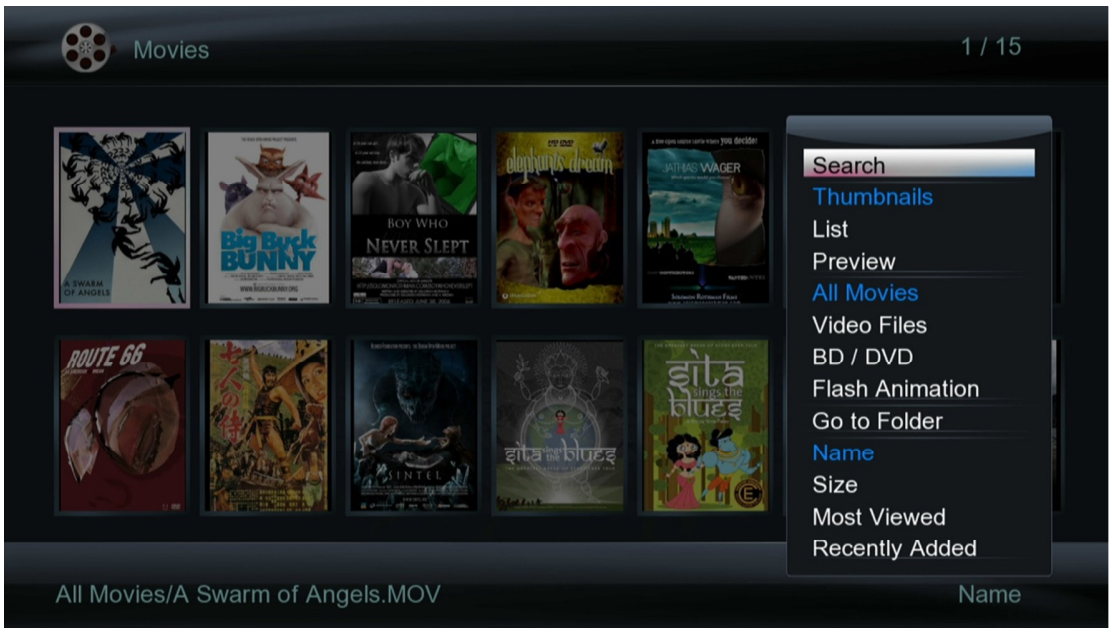
The media library is associated with each storage device that is included in the scan. It is possible to clear the media library from a storage device so that the media files on the device are no longer included in the media library.

To clear the media library, remove all storage devices except for the storage device to clear the media library from. Next, access the media library by selecting the Movies, Music, or Photos icon from the main menu. Then press the **GREEN** button on the remote control to access the operations menu. Select “Clear all media library” to clear the media library from attached storage devices.

6.4 Media Library – Movies

After selecting the Movies icon from the main menu, the media library screen will show all movies found on attached storage devices. For example, if the eSATA hard disk drive contains 20 movies and an attached external USB drive contains 10 movies, all 30 movies will be shown together on the same screen if both drives were selected when setting up the media library.

Press the **MENU** button on the remote control to bring up the option menu to adjust how movie files are displayed.

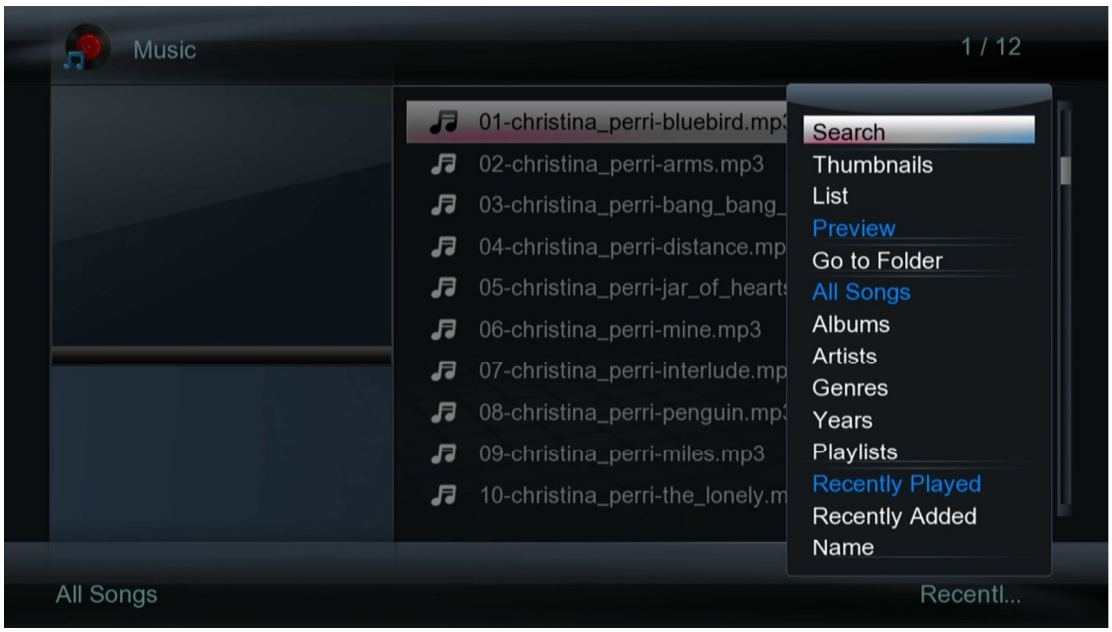


Setting	Description
Search	Search for a movie by name. An on-screen keyboard will be shown. Enter the first few letters of a movie, select OK, and all matching videos in the media library will be shown. To see the entire list of movies again, open the options menu and select All Movies.
Thumbnails	All video files in the media library will be shown as thumbnail icons.
List	All video files in the media library will be shown as a list.
Preview	All video files in the media library will be shown as a list, highlighting a video will cause the video to begin playing in a small preview box on the right side of the screen.
All Movies	Show all video files.
BD/ DVD	Show only BD/DVD-type files, such as VOB, IFO, ISO, and VIDEO_TS.
Flash Animation	Show only flash videos.
Go to Folder	Exit from the media library browser and go to the folder of the currently highlighted video.
Name	Sort videos by name
Size	Sort videos by size
Most Viewed	Sort videos by number of times viewed
Recently Added	Sort videos by date/time added to the media library

6.5 Media Library – Music

After selecting the Music icon from the main menu, the media library screen will show all music files found on attached storage devices. For example, if the eSATA hard disk drive contains 20 music files and an attached external USB drive contains 10 music files, all 30 music files will be shown together if both drives were selected when setting up the media library.

Press the **MENU** button on the remote control to bring up the option menu to adjust how music files are displayed.



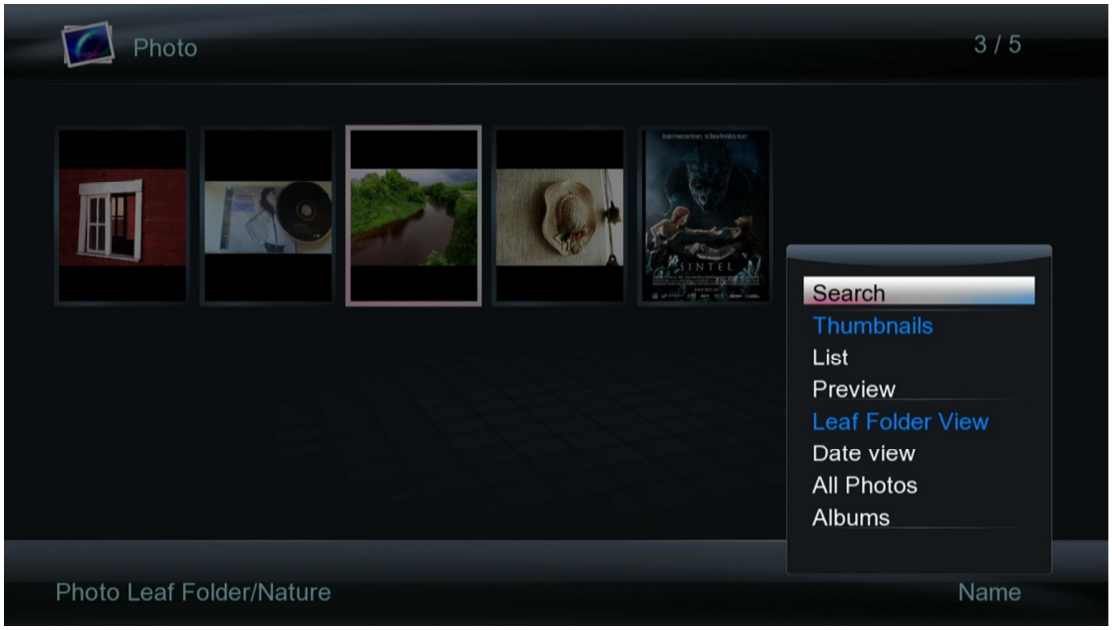
Setting	Description
Search	Search for a music file by name. An on-screen keyboard will be shown. Enter the first few letters of a file, select OK, and all matching music files in the media library will be shown. To see the entire list of movies again, open the options menu and select All Songs.
Thumbnails	All music files in the media library will be shown as thumbnail icons.
List	All music files in the media library will be shown as a list.
Preview	All music files in the media library will be shown as a list, highlighting a music file will cause the file's info and thumbnail displayed in a preview box on the right side of the screen.
Go to Folder	Exit from the media library browser and go to the folder of the currently highlighted music file.
All Songs	Display all songs
Albums	Display by albums; Requires proper ID3 tag with album information.
Artists	Display by artists; Requires proper ID3 tag with artist information.
Genres	Display by genres; Requires proper ID3 tag with genre information.
Years	Display by years; Requires proper ID3 tag with year information.
Playlists	Display by available playlists
Recently Played	Sort music files by recently played
Recently Added	Sort music files by date/time added to the media library

Name	Sort music files by name

6.6 Media Library – Photos

After selecting the Photos icon from the main menu, the media library screen will be shown. By default, photos will be shown in Leaf Folder View mode, where folders are arranged based on their folder. Selecting a folder brings up all photos within that folder.

Press the **MENU** button on the remote control to bring up the option menu to adjust how photo files are displayed.



Setting	Description
Search	Search for a photo by name. An on-screen keyboard will be shown. Enter the first few letters of a file, select OK, and all matching photos in the media library will be shown. To see the entire list of movies again, open the options menu and select All Photos.
Thumbnails	Photos in the media library will be shown as thumbnail icons.
List	Photos in the media library will be shown as a list.
Preview	Photos in the media library will be shown as a list, highlighting a photo will cause the file's info and thumbnail displayed in a preview box on the right side of the screen.
Leaf Folder View	All photos are organized based on their folder
Date View	All photos are organized based on their date
All Photos	All photos in the media library are shown together on the same screen.
Albums	All photos are organized into stacks based on available albums
Go to Folder	Exit from the media library browser and go to the folder of the currently highlighted photo.
Name	Sort photos by name
Recently Added	Sort photos by date/time added to the media library
Recently Played	Sort photos files by recently viewed

7 Playing Movies, Music, and Viewing Photos

After finding a media file to play using the file manager or media library, a variety of convenient playback controls are available.

7.1 Playing Movies

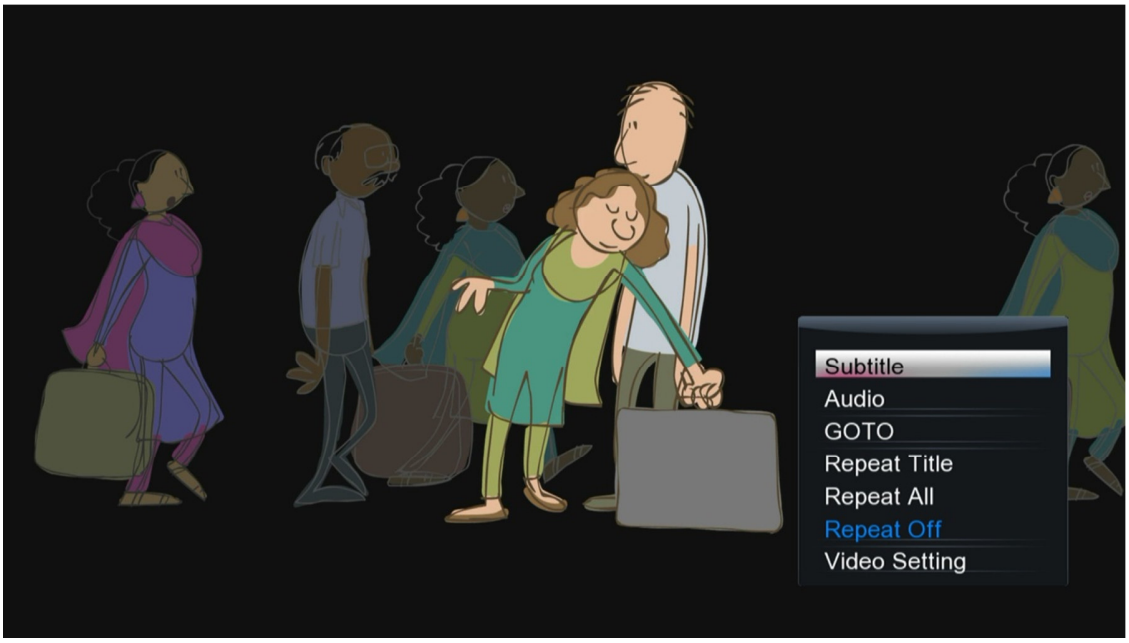
7.1.1 Playback Controls

During video playback, the following remote control commands are available:

Button	Description
PLAY/PAUSE	Press to play or pause the current video.
STOP	Press to immediately stop playback.
LEFT & RIGHT	Press to use the time slide bar to quickly go forward or backwards in a video.
FAST FORWARD **REWIND**	Press to fast forward or rewind the current playback. Press repeatedly to change fast forward or rewind speed. Available speeds are 1.5x, 2x, 4x, 8x, 16x, and 32x. Some video types may be limited to 2x. Fast forward speeds beyond 2x are performed by a combination of forward skips and playback at 2x. Rewinds are performed as skips and may not occur smoothly.
PREV/NEXT	Press to go to the previous/next chapter. Double-press to go to the previous/next video.
MENU	Press to display optional settings when viewing video.
16:9	Switches current playback aspect ratio among 16:9, 16:10, Pan Scan 4:3, and Letter Box 4:3.
BOOKMARK	Press to add the current playing video to the bookmark list. At the main menu, press to view the bookmark list. This feature is only available for media files on attached storage drives.
ZOOM	Press to zoom when viewing photos or playing videos. Video zoom levels: 1.1x, 1.2x, 1.3x, 1.4x, 2x, 3x, 4x, 8x.
REPEAT	Press to set repeat option when viewing videos: Repeat-All, Repeat-Title, Repeat-Off.
AUDIO	Press to change audio tracks for the current video.
SUBTITLE	Press to change the subtitle track when viewing videos. Use the MENU button to access the full subtitle settings menu.
MUTE	Press to mute audio output; press again to unmute.
VOL+/VOL-	Press to change the output volume. (Hint: Set volume to max and use the TV or AV receiver to control volume). Volume does not have any effect if the player sound output is RAW.
RETURN	Press to stop playback. A message box will ask for confirmation. Select OK to stop playback, or select CANCEL to continue playback.
INFO	Press to display information about the currently playing video.
SEARCH	During video playback, press once to display the time slide bar, and press again to display the jump-to time entry menu.

7.1.2 Movies Settings Menu

During video playback, additional controls are available through the movie settings menu. To access the settings menu, press the **MENU** button while a video is playing.



The available settings have the following functionality:

Setting	Description
BD Navigation	Access the BD navigation menu. This setting is only available when playing a BD-ISO or BD Folder video.
Subtitle	Access the subtitle settings menu. See ***'7.1.3 Subtitles'*** for more information.
Audio	Display the list of available audio tracks for the current video and select the desired audio track for playback.
GOTO	Display the jump-to time entry menu. Enter a time mark or title/chapter to jump to.
Title Menu	Access the DVD title menu. This setting is only available when playing a DVD-ISO or DVD Folder video.
Root Menu	Access the DVD root menu. This setting is only available when playing a DVD-ISO or DVD Folder video.
Repeat	Press to set repeat option when viewing videos: Repeat-All, Repeat-Title, Repeat-Off. Not all repeat selections are available when viewing BD/DVD ISO or Folder videos.
Video Settings	Display and change the player settings for Brightness, Contrast, Hue, and Saturation.
2D/3D	These settings are only displayed when a 3D-ready TV or home theater receiver is detected. • 2D – playback the current video in 2D mode. • 3D Simulation – Simulate a 3D playback effect from a 2D video. • 3D Side By Side – Select if video is a side-by-side 3D video. • 3D Top Bottom – Select if video is a top-and-bottom 3D video.

- Swap L&R – Swap the left and right frames for current 3D video.
- Depth – Adjust the 3D effect depth for 3D Simulated playback.

7.1.3 Subtitles

When subtitles are available for the currently playing video, pressing the **SUBTITLE** button on the remote control will cycle through the available subtitle tracks. By default, subtitles will be displayed when available. To change the default subtitle On/Off behavior, please see ***'9.5.10 Subtitle Default Load'*** for more information.

The player supports subtitle tracks embedded in the video file, or external subtitle files. For external subtitles, the subtitle file should be placed in the same folder as the video and have the same name as the video. Different language subtitle files can be differentiated in the manner as illustrated below:

Video file name: sita_sings_the_blues.mkv
English subtitles: sita_sings_the_blues.eng.srt
Spanish subtitles: sita_sings_the_blues.esp.srt

If a video has both embedded and external subtitles, all subtitles will be available together. The supported sub title formats and features are as follows:

Subtitle	Description
External	SRT, IDX+SUB, SMI, SSA/ASS. Plain text only for all subtitle types.
Internal	DVD (IDX+SUB), BD (PGS), SRT

For additional subtitle appearance settings, press the **MENU** button on the remote control while a video is playing and select "Subtitle" to access the subtitle settings menu.

The subtitle menu offers the following settings:

Setting	Description
Subtitle I/II	The player can display two different subtitles at the same time. For example, both the English and Spanish subtitles can be displayed at the same time. Therefore two subtitle settings menus are available.
Subtitle Track	Displays a list of available subtitles for the current video. The current subtitle is highlighted in yellow.
Size	Changes the size of the subtitle text.
Text Encoding	Most subtitles will display correctly with Unicode (UTF8), but if a subtitle does not display correctly, try one of the other encoding settings.
Color	The color of the subtitle display can be changed for better visibility.
Font	Changes the font for the subtitle text. Please see ***'9.5.8 Subtitle Font Directory'*** for more information.
Offset	Changes how far the subtitle is from the bottom of the screen.
Time Sync	Some subtitles are not perfectly in sync with the video, which happens mostly with external subtitle files. This setting can be used to adjust the time sync between the video and the subtitle display.

Subtitle text appearance settings are not available when playing image-based subtitles such as DVD IDX+SUB and BD PGS.

7.1.4 3D Video Playback

The player supports 3D videos in a variety of formats. The following is a table of the 3D video types supported:

3D Type	Description
Side by Side	The video has up to 1920x1080 resolution and the left/right frames are stored on the same frame side by side at half resolution. To play this type of video in 3D, press the **MENU** button after the video has started playing and select "3D Side By Side".
Top and Bottom	The video has up to 1920x1080 resolution and the left/right frames are stored on the same frame top and bottom at half resolution. To play this type of video in 3D, press the **MENU** button after the video has started playing and select "3D Top Bottom".
Frame Packed	The video has the left/right frames packed together in the same stream. The player automatically detects this type of video and begins playing in 3D mode. It's important that the BD Navigation is not set to "BD Profile 1.0", as this will result in 2D playback only. Please see ***'9.5.3 BDMV Navigation'*** for more information.

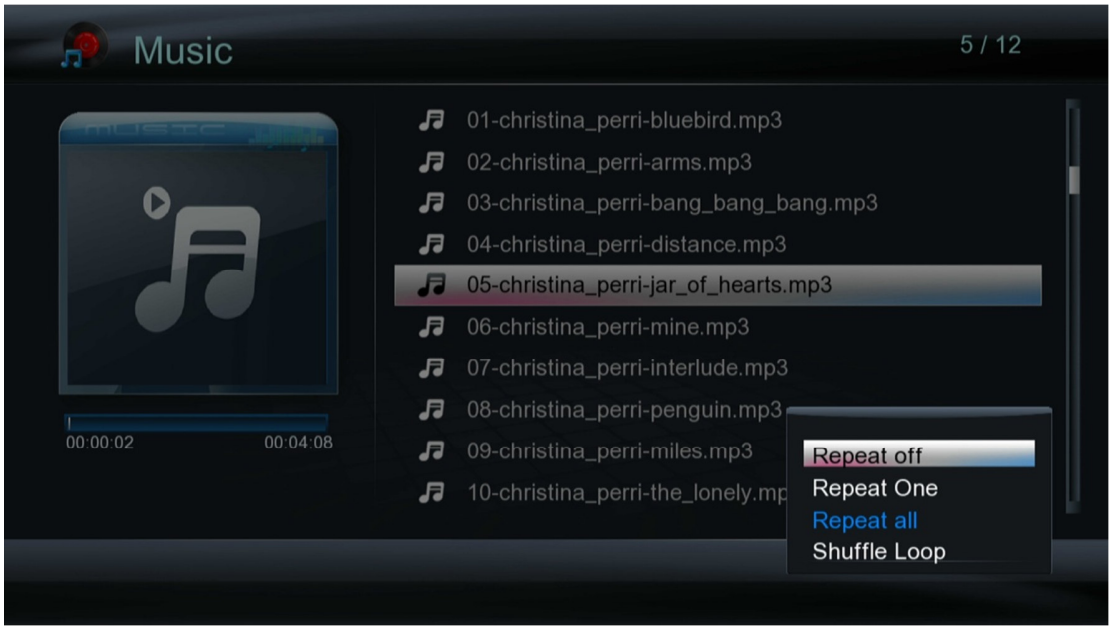
For BD-ISO and BD Folder videos containing frame packed 3D material, the player sometimes cannot automatically determining the main 3D feature and instead plays the 2D video stream. When this happens, choose "BD Lite" as the BDMV Navigation type and try changing the Playlist to find the correct 3D stream. Please see ***'9.5.3 BDMV Navigation'*** for more information.

7.2 Playing Music

During music playback, the following remote control commands are available:

Button	Description
PLAY/PAUSE	Press to begin playback, press again to pause.
STOP	Press to stop playback.
FAST FORWARD	Press to fast forward the current playback. Press repeatedly to change fast forward speed.
FAST REWIND	Press to fast rewind the current playback. Press repeatedly to change fast rewind speed.
PREV	Press to go to the previous song.
NEXT	Press to go to the next song.

Press the **MENU** button while playing a song to access repeat/shuffle playback options.



Setting	Description
Repeat Off	Select to turn repeat off
Repeat One	Select to repeat only the current song
Repeat All	Select to repeat all songs in the media library
Shuffle Loop	Select to shuffle play all songs in the media library

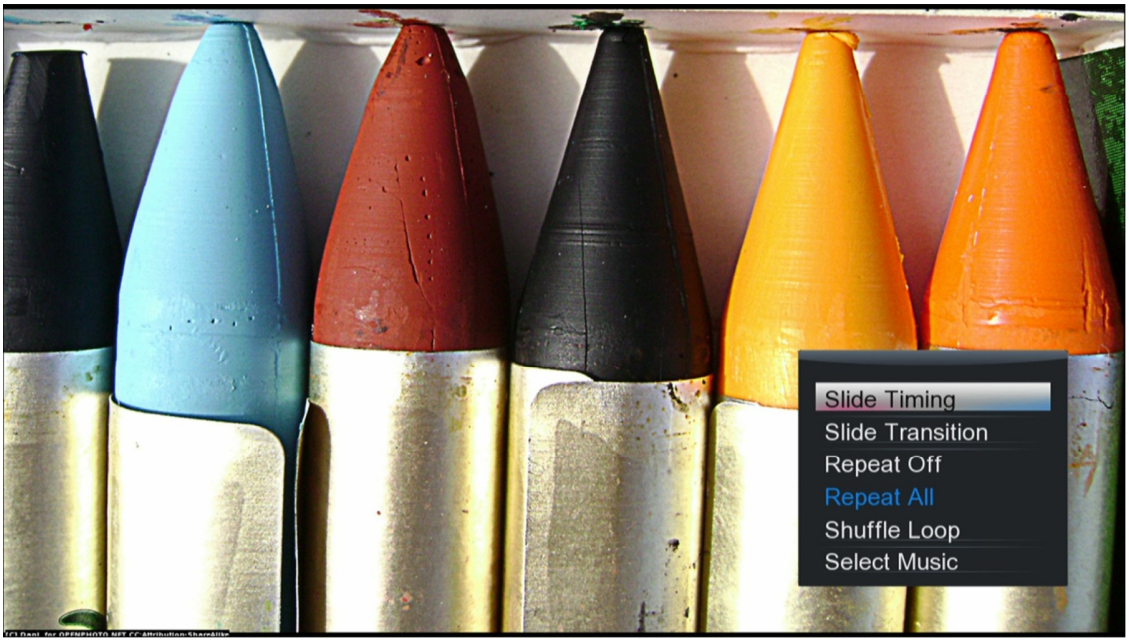
7.3 Viewing Photos

While viewing photos, the following remote control commands are available:

Button	Description
PLAY/PAUSE	Press to view photo full screen If Slide Show Timing is not set to Off, slideshow will start
STOP	Press to stop viewing photo full screen
PREV	Press to go to the previous photo.

NEXT	Press to go to the next photo.
ZOOM	When not viewing a slideshow, press to zoom in or out the image.
DISPLAY	Press to display information about the current photo.

The photo settings menu provides on-screen access to additional photo viewing options. To use the photo settings menu, press the **MENU** button while viewing a photo full screen.



Setting	Description
Slide Timing	Sets the time delay between photos in a slideshow
Slide Transition	Sets the transition effect between photos in a slideshow
Repeat Off	Select to set repeat to off
Repeat All	Select to repeat all photos in the media library
Shuffle Loop	Select to shuffle view all photos in the media library
Select Music	Select to set music for playback as background music during slideshow

8 Additional Features

8.1 DLNA Playback

The player functions as a DLNA Digital Media Renderer (DMR) device, allowing media content to be pushed to it using DLNA Controller devices such as Windows PCs and popular smartphone/tablet devices running DLNA Controller software. To use this feature, first set a DLNA device name (see ***'9.1.7 DLNA Device Name'***), and then turn on the player's DLNA DMR function (see ***'9.1.6 DLNA DMR'***). When finished, follow the instructions in the following sections appropriate for your DLNA Controller device to push media files to the player.

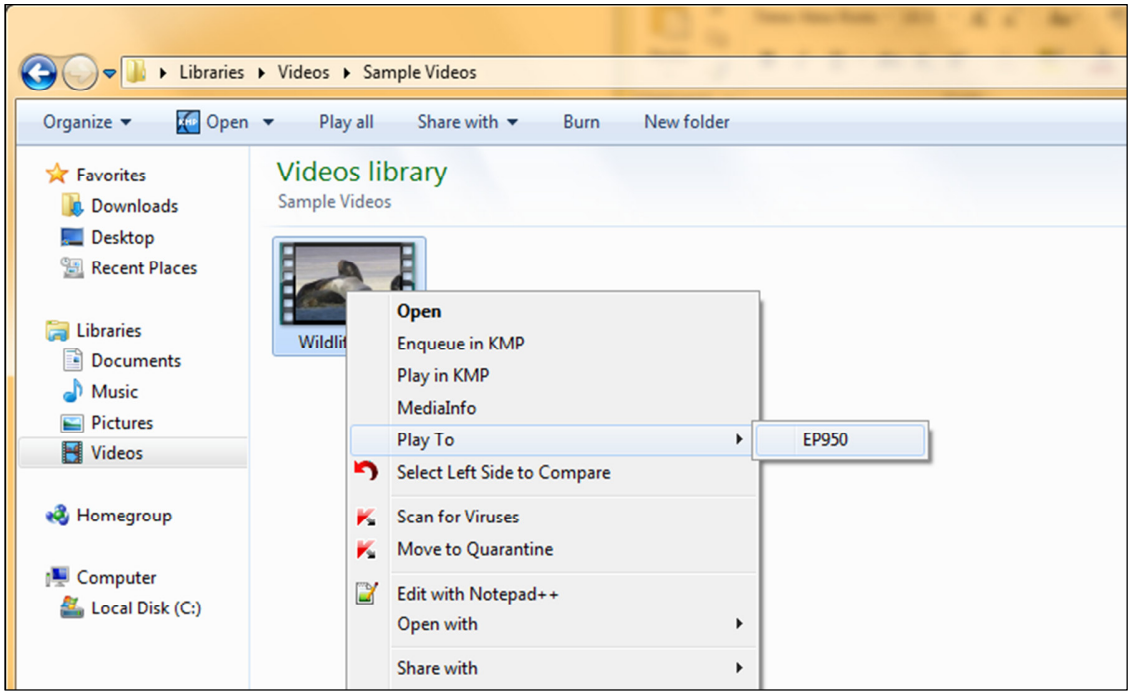
8.1.1 DLNA Controller – Windows 7

To use a Windows 7 computer as a DLNA Controller, the player first has to be recognized by the computer as a DLNA DMR device using the following directions:

1) Ensure that the player is turned on and is on the same LAN or WLAN network as the Windows 7 computer. On the Windows 7 computer, open File Explorer and click on the "Network" item in the left column. A list of detected network devices will be listed on the right.

2) Find the DLNA Device Name that was configured for the player ("EP950", for example), right-click on it, and select "Install" from the context menu. The player will now be installed as a recognized DLNA DMR device.

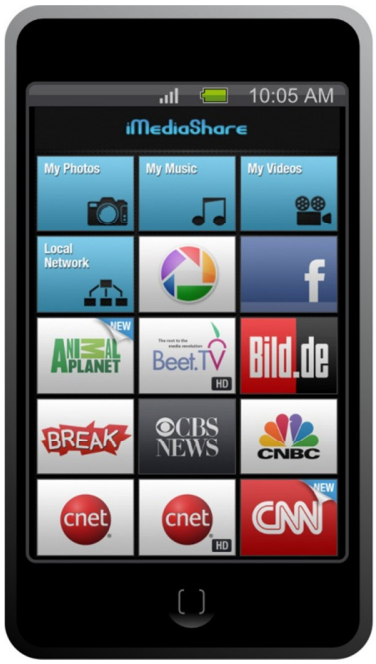
To push a media file to the player, locate the media file using File Explorer, then right click on the media file and select Play To -> "EP950" (or the DLNA Device Name configured).



The selected video will begin playing on the player after a short delay. A DLNA Controller window will be shown on the Windows 7 computer that can be used to control playback of the media file.

8.1.2 DLNA Controller – Smartphones and Tablets

Popular smartphone and tablet platforms including iOS and Android can function as DLNA Controllers when running an appropriate app. There are numerous DLNA apps available for both iOS and Android, the example here uses iMediaShare, which is available for both platforms free of charge from the respective app store/markets.



Follow the directions below to push media files to the player using iMediaShare:

1) Install iMediaShare on the smartphone or tablet device.
2) Make sure that the smartphone or tablet is connected via WLAN to the same network as the player.
3) Run iMediaShare and browse for media files. The source can be Internet sites, or local UPnP servers.
4) After selecting a media file to play, iMediaShare lists available DLNA DMR devices detected, which should include “EP950” (or the DLNA Device Name configured).
5) Select the player as the playback device.

The selected video will begin playing on the player after a short delay. The user can continue to browse for other media files to play while the playback of the current media file is on-going.

8.2 BitTorrent Client

The player has a BitTorrent client that can be used for managing BitTorrent file downloads. Due to the limited general processing power of the player, it is recommended that the BitTorrent client be used to download 1 file at a time. Follow the instructions below to use the BitTorrent client:

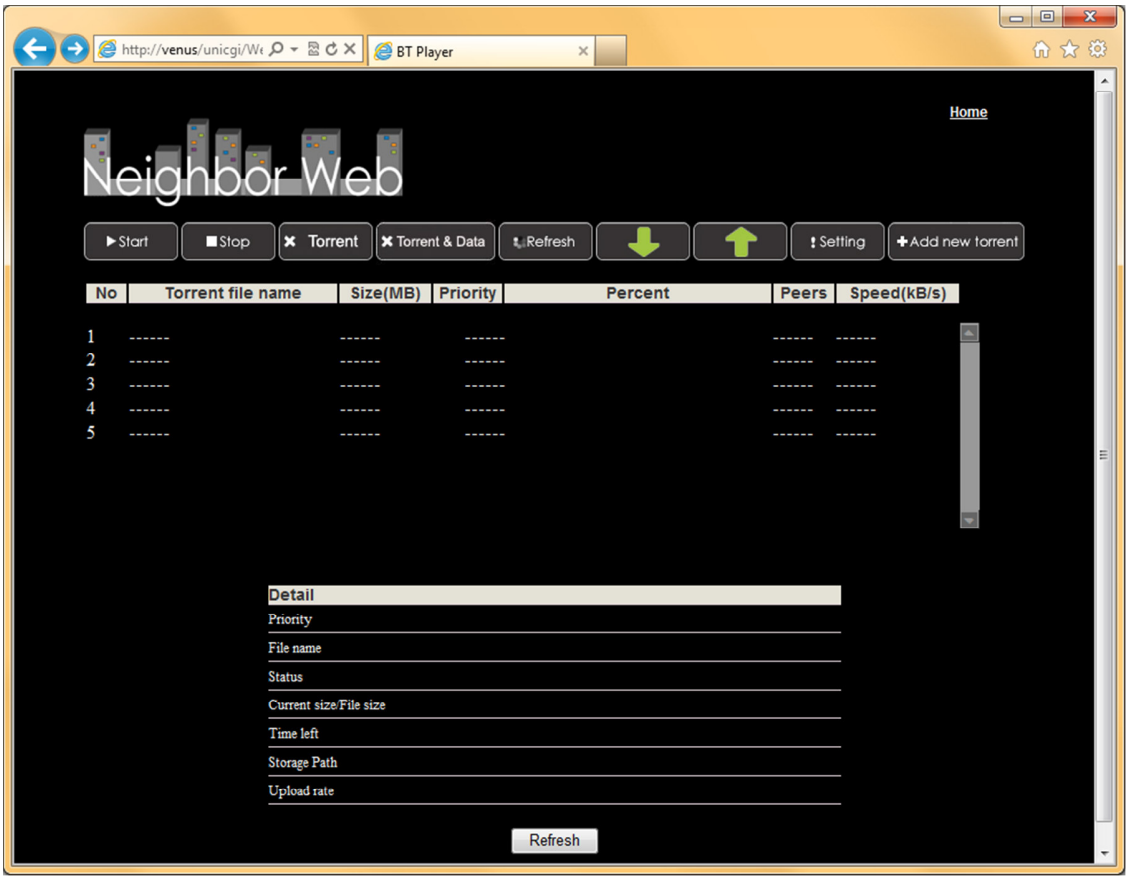
1) First, turn on the BitTorrent service (see ***‘9.4.5 BT Process’***).
2) Next, determine the IP address of the player by checking the network information (see ***‘9.4.4 Network Info’***).
3) To access the BitTorrent client, open a web browser on a computer and set the URL to http://ip-address-of-player.
4) If the BT/SAMBA security has been turned on, a login prompt will be displayed. Login with the following credentials:

a. User Name: *admin*

b. Password: *123*

5) Click on the “BitTorrent Download link.

6) The BitTorrent screen will be displayed.



7) Click “Add new torrent” to add a new torrent file for downloading.

8) Click “Browse” and locate the torrent file on the computer.

9) Select the Device/Partition to save the downloaded files to.

10) Click “Yes” to confirm upload and begin downloading the torrent.

The BitTorrent screen contains several controls for managing torrents. Refer to the following table for their functionality.

Control	Description
Start	Start downloading the currently highlighted torrent
Stop	Stop downloading the currently highlighted torrent
X Torrent	Delete the currently highlighted torrent, keep downloaded data.
X Torrent & Data	Delete the currently highlighted torrent and any downloaded data.
Refresh	Refresh the current page
Up/Down	Move the currently highlighted torrent up or down in the list. Higher torrent files have higher priority.

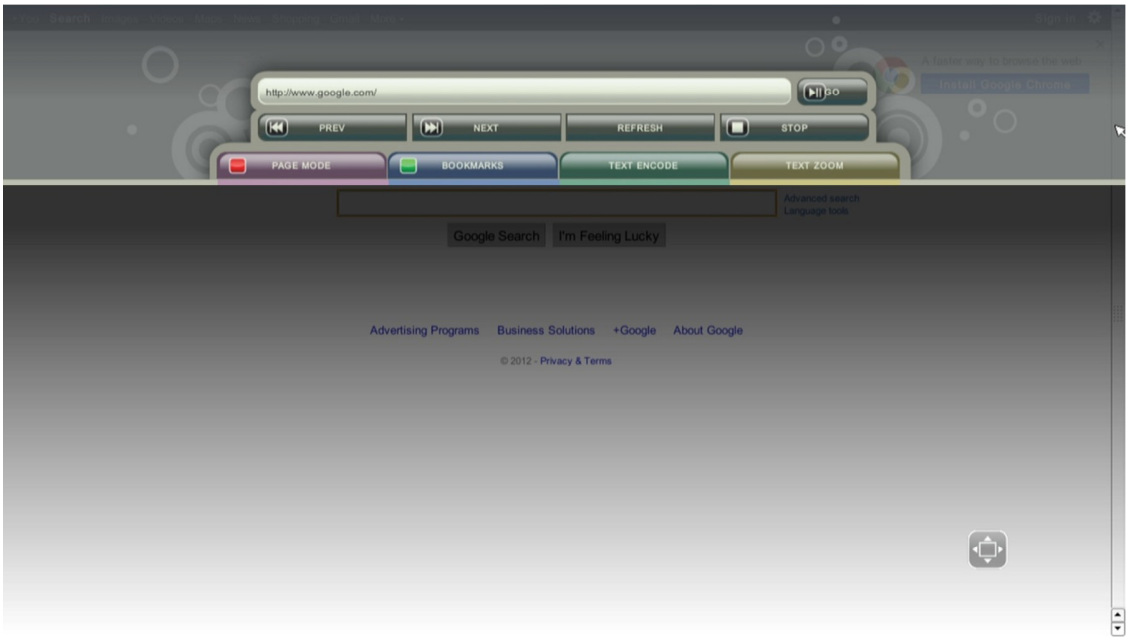
Setting	Access the BitTorrent client settings menu
Add new torrent	Add a new torrent file for download

The BitTorrent client settings menu provides configurations for how the client functions when downloading torrents. The available settings are as follows:

Setting	Description
Max download rate	The maximum download rate in KB/s. Enter 0 for no limit.
Max upload rate	The maximum upload rate in KB/s. Enter 0 for no limit.
If within…	Sets the amount of time of no downloads for a torrent, after which the torrent will automatically stop and the next torrent will be started.
Seeding time	Sets the amount of time to seed a file after the torrent download is complete. Enter 0 to disable seeding.
Delete torrent file automatically	Sets whether the torrent file will be automatically deleted once the torrent download is complete.
Max simultaneous downloads	Sets the maximum number of simultaneous torrent downloads. It is strongly recommended to set this limit to 1.

8.3 Web Browser

The player has a built-in HTML5 web browser capable of performing basic web browsing. To use the web browser, select the Web Browser icon from the main menu. Once loaded, the web browser opens http://www.google.com by default.



The web browser can be used with the player's remote control and a mouse. A keyboard is not necessary. While browsing a web page, use the **UP/DOWN** and **LEFT/RIGHT** buttons on the remote to scroll the web page.

To input text, first click on the text box using the mouse, then press **OK/ENTER** on the remote control to bring up the mini on-screen keyboard. Use the remote control to enter characters. If a USB keyboard is attached to the player, text can be typed in from the keyboard while the mini on-screen keyboard is displayed. The USB keyboard will not work for entering text when the mini on-screen keyboard is not displayed.

The web browser's menu bar can be accessed by pressing the **MENU** button on the remote control. The menu bar has the following items:

Item	Description
URL Bar	Used to enter a web page URL to visit. Press **PLAY/PAUSE** on the remote control or click "GO" with the mouse to submit. When entering URLs, be sure to entire the entire URL including the "**Error! Hyperlink reference not valid.**" portion.
PREV/NEXT	Go forward/backward in the browsing history. Press **PREV/NEXT** on the remote control or click "PREV"/"NEXT" with the mouse.
REFRESH	Refresh the current web page.
STOP	Stop loading the current page. Press **STOP** on the remote control or click "STOP" with the mouse.
PAGE MODE NAVIGATION	Sets behavior of the **LEFT/RIGHT/UP/DOWN** buttons on the remote control. In page mode, the buttons scroll the web page. In navigation mode, the buttons selects active links on the web page. Press the **RED** button on the remote control or click on the button with the mouse to toggle this setting.
BOOKMARKS	Access the bookmarks list. Press the **GREEN** button on the remote or click on the button with the mouse to open the bookmark list. Select "Add Bookmark" to add the current web page to the bookmarks list.
TEXT ENCODE	Setts the text code page for the current web page.
TEXT ZOOM	Sets the text size for the current web page.

The web browser does not support Flash content. Therefore any Flash content on web pages, such as YouTube, will show a "Missing Plug-In" message.

8.4 Internet Media Content

When the player's network connection has been setup with access to the Internet, it can stream and playback various media content from internet media service providers. Media content available from internet media service providers include:

- Videos –YouTube and video podcasts
- Music – Internet radios and audio podcasts
- Photos – Flickr, Picasa

To access Internet media content, select the Internet Apps icon from the main menu.

Use the **UP/DOWN/LEFT/RIGHT** and **ENTER** buttons on the remote to browse different content providers.

Note: The availability of Internet media content depends on providers, their policy, state of their equipment, and their network interface. There are no guarantees that the Internet media content provider links will play or will continue to play in the future. This part of the player's capability is provide as-is without any guarantee.

9 Settings

The Setup menu allows users to personalize and configure usage preferences for the player. To go into the setup menu, select the Setup icon on the main menu, or press the **SETUP** button on the remote control.

Use the directional **LEFT/RIGHT** and **UP/DOWN** buttons on the remote control to select options and press **OK/ENTER** to confirm. To cancel a setting change, press the **RETURN** button.

IMPORTANT: Settings are not saved until you exit from the Setup menu. If you turn off the player before exiting the Setup menu, any changes will not be saved.

9.1 System Settings

The system settings menu contains configuration items that determine how the player generally functions.

9.1.1 Menu Language

The player's user interface and menu system can be presented in a variety of different language settings. Note that this setting does not affect the language of audio tracks or subtitles.

Available settings: *English, Simplified/Traditional Chinese, Korean, Japanese, Thai, Vietnamese, Spanish, French, German, Italian, Dutch, Russian, Polish.*

9.1.2 Text Encoding

The player's user interface text display supports a variety of different text encodings. Most languages will display correctly with Unicode (UTF8), but if some system text does not display correctly, try one of the other encoding languages.

Available settings: *Unicode (UTF8), Simplified Chinese (GBK), Traditional Chinese (BIG5),*

Japanese (S-JIS), Korean (EUC-KR), Western, Turkish, Central European, South-East European, Greek, Cyrillic, Hebrew.

9.1.3 Time

This setting configures the time zone, date, and time of the player's internal clock.

Setting	Description
Manual	Manually set the date and time of the player's internal clock.
Time Zone	Sets the time zone relative to GMT.
Auto (via NET)	Set the time using time servers on the Internet. Requires an active Internet connection. May take up to 60 seconds for the time to update. Service availability is not guaranteed.

9.1.4 R/RW Auto-Play

When this setting is turned on, the player will automatically play any DVDs detected in an attached DVD-ROM drive. **Note:** The player only plays unencrypted DVDs.

9.1.5 Screen Saver

When this setting is turned on, the player will display a screen saver when it has been idle for a while. This feature is helpful for CRT or Plasma TV users where the display is prone to burn-in from static images displayed for a long time.

Setting	Description
Wait	Sets the idle time before screen saver is displayed. Available values include *Off, 2 Minutes, 5 Minutes, 10 Minutes.*
Source	Changes the screen saver graphics: • Default: The default moving icon will be displayed. • Photo Album: Displays a user-created photo album.

9.1.6 DLNA DMR

Configures the DLNA Digital Media Renderer capability of the media player. When enabled, the player can play media files pushed to it using DLNA Digital Media Controller devices such as Windows PCs and popular smartphone platforms running DLNA controller software.

Available settings: *On, Off*

9.1.7 Device Name

Configures the device name for the player that is used as the player's DLNA DMR and SAMBA file server host name. This is required for the player to be visible on the network as a DLNA DMR device.

9.1.8 SMB Workgroup

Configures the workgroup name for the player's SAMBA file server. This should be configured as "workgroup" for most home based networks.

9.1.9 MiniKBD Language

Use this setting to select the language for the mini on-screen keyboard. In addition to this setting

here, it is possible to change the language while using the mini on-screen keyboard by pressing the **GREEN** remote control button.

Available settings: *English, Chinese Zhu Yin, Chinese (Traditional), Chinese (Simplified)*

9.1.10 Resume Play

This setting configures whether the player will offer to resume playback at the last stop point when the user plays a video that was partially played previously. When turned on, the player will prompt the user to resume play back or cancel and start playing from the beginning of the video.

Available settings: *On, Off*

9.1.11 Safe Power Off

This setting configures whether the player will use safe power-off mode. Safe power-off mode terminates all tasks before powering off the player. This takes longer time for the player to power off, but is recommended for better player stability.

Available settings: *On, Off*

9.1.12 View Mode

This setting configures the operation mode of the Movies, Music, and Photos icons on the main menu.

Setting	Description
DB Mode	The player will display media files using the media library feature. Files in the media library will be displayed in a consolidated and searchable list. Files not in the media library will not be displayed.
File Mode	The player will display media files using the file manager. Media files will be organized in their original folder structure. Only matching media file types are displayed. For example, selecting the Movies icon from the main menu will display only video files and not music or photo files.

9.1.13 Format

It is always recommended to use a computer to format a USB or HDD drive instead of using the player to format the drive. When formatting a drive with a computer, make sure to use MBR partition table and NTFS file system. The player supports drives up to 2TB in size.

The player can be used to format the eSATA hard disk drive (if connected) or an externally connected storage device such as a USB drive. All data on the storage device will be irreversibly erased when the drive is formatted. If formatting an external drive, make sure that it is the only drive attached to the player before proceeding. Follow the on-screen prompts to complete formatting the storage device.

To avoid accidentally erasing files you wish to keep, make sure that you have retained a copy of all files currently stored on the storage device you are about to format.

Advanced user notes: The player formats the drive using MBR partition table and NTFS file

system. In addition to the main partition, the player also creates two smaller partitions. When the drive is connected to a computer, these two smaller partitions may be reported as unformatted.

9.1.14 Factory Default

Resets settings back to factory default. Certain settings and configurations cannot be reset through this setting. Perform a firmware update using the recovery method to completely reset all settings. Please see ***'9.6.2 USB Upgrade'*** for more information on performing firmware updates.

9.2 Audio Settings

The audio settings menu contains configuration items for the player's audio outputs.

9.2.1 Night Mode

When turned on, night mode compresses the dynamic range of audio output by the player. This allows the quiet sounds of a movie to be more clearly heard while lowering the volume of loud sounds so as not to bother other people in the home.

9.2.2 HDMI Output

HDMI Output sets the format of the digital audio carried over the player's HDMI output.

Setting	Description
LPCM	Audio is decoded by the player and down-mixed into two channels for output over HDMI. Use this setting if the TV or home theater receiver lacks multi-channel audio decoding capabilities.
RAW	Audio is sent without being decoded by the player. The TV or home theater receiver must be able to decode the audio; otherwise there will be no audio playback.

9.2.3 SPDIF Output

SPDIF Output sets the format of the digital audio carried over the player's SPDIF coaxial or optical outputs.

Setting	Description
LPCM	Audio is decoded by the player and down-mixed into two channels for output over coaxial or optical output. Use this setting if the home theater receiver lacks multi-channel audio decoding capabilities.
RAW	Audio is sent without being decoded by the player. The home theater receiver must be able to decode the audio; otherwise there will be no audio playback.

9.2.4 HD Audio Core Output

This setting specifies what the audio output will be when playing a file with 7.1 HD-Audio formats.

Setting	Description
5.1 Core Only	The player will play the 5.1 core audio track. Select this option if the TV

	or home theater does not support 7.1 HD-Audio formats.
7.1 HD Audio	The player will play the 7.1 HD-Audio track. Select this option if the TV or home theater supports 7.1 HD-Audio formats.

9.2.5 Dolby Output

This setting specifies the audio output format for Dolby audio tracks.

Setting	Description
LPCM	Audio is decoded by the player and down-mixed into two channels. Use this setting if the TV or home theater receiver lacks multi-channel audio decoding capabilities.
RAW	Audio is sent without being decoded by the player. The home theater receiver must be able to decode the audio; otherwise there will be no audio playback.

9.2.6 DTS Output

This setting specifies the audio output format for DTS audio tracks.

Setting	Description
LPCM	Audio is decoded by the player and down-mixed into two channels. Use this setting if the TV or home theater receiver lacks multi-channel audio decoding capabilities.
RAW	Audio is sent without being decoded by the player. The home theater receiver must be able to decode the audio; otherwise there will be no audio playback.

9.2.7 AAC Output

This setting specifies the audio output format for AAC audio tracks.

Setting	Description
LPCM	Audio is decoded by the player and down-mixed into two channels. Use this setting if the TV or home theater receiver cannot decode AAC audio.
RAW	Audio is sent without being decoded by the player. The home theater receiver must be able to decode AAC audio; otherwise there will be no audio playback.

9.2.8 WMA Pro Output

This setting specifies the audio output format for WMA Pro audio tracks.

Setting	Description
LPCM	Audio is decoded by the player and down-mixed into two channels. Use this setting if the TV or home theater receiver cannot decode WMA Pro audio.
RAW	Audio is sent without being decoded by the player. The home theater receiver must be able to decode WMA Pro audio; otherwise there will be no audio playback.

9.3 Video Settings

The video settings menu contains configuration items for the player's video outputs.

9.3.1 Aspect Ratio

Aspect Ratio affects how the player will display content on the TV. It is very important to set the aspect ratio to match the TV, incorrect setting will result in distorted image output.

Setting	Description
Pan Scan 4:3	Use with 4:3 non-widescreen TVs. Widescreen videos will have the left and right side cut off, with the center portion of the image filling the 4:3 TV screen.
Letter Box 4:3	Use with 4:3 non-widescreen TVs. Widescreen videos will be displayed with black bars on the top and bottom of the image.
16:9	Choose this setting if the TV has a 16:9 aspect ratio.
16:10	Choose this setting if the TV has a 16:10 aspect ratio, such as certain computer monitors.

9.3.2 TV System

The player is able to output video in a wide range of video systems over HDMI or component video. Consult the TV/HDTV's manual for which video system it supports. For best results, configure the player's Video System setting to match the highest quality setting supported by the TV/HDTV. "HDMI Auto" is recommended when the player is connected to the TV using an HDMI cable.

Available settings: *NTSC / PAL / 480P / 576P / 720P 50HZ / 720P 60HZ / 1080I 50HZ / 1080I 60HZ / 1080P 50HZ / 1080P 60HZ*

9.3.3 Scan Mode

This setting applies a slight zoom-out to compensate for the over-scan behavior of certain TV types. Over-scan is where the image displayed on the TV is a cropped version of the original with the edges cut off at all four sides.

Setting	Description
Full Pixel (Just Scan)	Videos are displayed as normal. Use this setting for TVs with 1:1 pixel mapping, which is most modern HDTVs. Disable any zoom or over-scan settings in the TV's settings menu.
CRT TV (Over Scan)	Videos are displayed slightly zoomed out. Use this setting only if the TV applies an over-scan that cannot be turned off, such as many CRT TVs and some newer LCD TVs.

9.3.4 Digital Noise Reduction

This setting enables the player's ability to perform noise reduction processing when playing a video.

Available settings: *Off, Auto*

9.3.5 1080P 24Hz

The player supports output of 1080P 24p at native timing without requiring 3:2 pull-down. This mode provides the best result for when viewing 24p movies.

Setting	Description
On	The player will output 24p video at 24Hz timing.
Off	The player will output all videos with 50/60Hz timing.

9.3.6 Deep Color

This setting configures the color depth of the player's HDMI video output. Setting the player to a higher color depth when used with a compatible TV will result in richer colors.

Setting	Description
Auto	Automatically determine the highest color depth supported by the TV.
12-Bit	Always output 12-Bit color depth.
10-Bit	Always output 10-Bit color depth.
Off	Always output 8-Bit color depth.

9.4 Network Settings

The Network settings menu contains configuration items that determine how the player's network capabilities function.

9.4.1 Wired LAN Setup

If the player is connected to a LAN/Internet with an Ethernet cable, there typically is no need for making any settings changes as the player will automatically detect and use the network connection. However, advanced users can use these settings to adjust the player's network settings.

Setting	Description
DHCP IP (Auto)	The player will obtain an IP address and connection settings automatically from an available DHCP server device on the LAN.
FIX IP (Manual)	The user can set the player's LAN connection settings manually, including IP address, subnet mask, default gateway, and DNS server IP address. This setting is for expert users only.

9.4.2 Wireless Setup

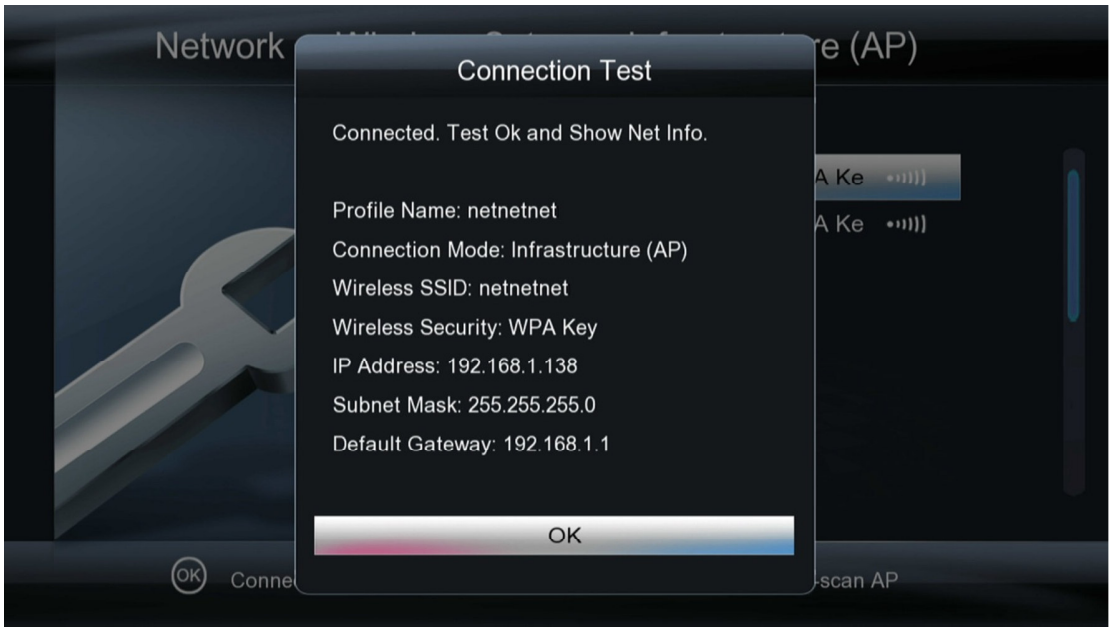
Note: A/V streaming performance over WLAN is highly dependent on location, distance to router, the number of floors and walls in the signal path, other 2.4GHz devices in the area, and other such variables that differ on a case by case basis. It may be difficult to reliably stream HD quality (720p and 1080p) videos over a WLAN connection even if the signal strength appears to be strong. Always use a wired Ethernet connection when available.

To configure WLAN settings, follow these steps:

1) Go to Setup->Network, set Wireless On/Off to “On”.
2) Next, select “Wireless Setup”. The player will display a list of WLAN network SSIDs that it has detected. If you do not see the SSID you want to connect to, press the **SEARCH** button on the remote control to re-scan. Highlight the desired WLAN network SSID and press **OK/ENTER** on the remote control.
3) Use the remote to enter the WPA or WEP key phrase using the on-screen keyboard. Highlight the OK key on the keyboard and press **ENTER** on the remote control when finished.

English (Lower Case Alphabet)
****
Input history
a b c d 1 2 3
e f g h 4 5 6
i j k l 7 8 9
m n o p - 0 .
q r s t ` ' ¨
u v w x ^ ~ ˇ
y z @ _ OK Space Clear
Move L
Move R
Delete
Aa
@#

4) If the WPA/WEP key was entered correctly, the player will receive an IP address and connection settings from the access point router. These settings will be displayed on the screen; press the **OK/ENTER** key on the remote control to continue.



5) Once the WLAN setup has been completed successfully, press the **RETURN** button on the remote control to go back to the Network Settings screen.

The WLAN settings will be remembered and used each time the player turns on. Up to three connection settings can be stored although the first one will always be used by default. The other two setting memory slots are useful if the player will sometimes be used at a different location.

To delete WLAN settings, reset the player to factory default through the System Settings menu.

9.4.3 PPPoE Setup

If the player is connected directly to a PPPoE connection, such as DSL modem, the player can be configured with the PPPoE user name and password.

Setting	Description
Wired or Wireless	Select which connection should the player attempt to access the PPPoE network.
User ID	Enter the PPPoE user name using the remote control and the on-screen keyboard
Password	Enter the PPPoE password using the remote control and the on-screen keyboard

9.4.4 Network Info

This setting displays the current wire and wireless network status of the player. If the player has a valid network connection, the associated IP address will be displayed. Otherwise, the IP address will be listed as N/A.

9.4.5 BT Process

This setting controls whether the BitTorrent client of the player runs. An eSATA hard disk drive or USB drive must be installed to use this feature. Turn this setting on only when it will be used and turn it off when finished to reduce processor load. This function is for expert users who are already familiar with how BitTorrent works. Please refer to ***'8.2 BitTorrent Client'*** for more information.

Available settings: *On, Off*

9.4.6 SAMBA Process

This setting controls whether the SAMBA service of the player runs. When turned on, this player will be visible on the local area network and all storage devices attached to the player will be available as shared folders. This is useful for copying/moving/deleting files on the storage devices, or for using other network media players to play videos stored on this player.

Available settings: *On, Off*

9.4.7 BT & SAMBA Security

This setting controls whether a username and password will be required to access the BitTorrent and SAMBA service of the player. The login credentials are:

USERNAME: admin

PASSWORD: 123

Available settings: *On, Off*

9.5 Intelligent Setup

The intelligent setup menu contains advanced configuration items that can be used to further customize the player's settings.

9.5.1 Function of Navigation Key

This setting configures the behavior of the **LEFT/RIGHT** directional keys on the remote control during video playback.

Setting	Description
Subtitle Adjustment	The LEFT/RIGHT buttons on the remote control will change the subtitle text size.
Search Function	The LEFT/RIGHT buttons on the remote control will bring up the time slide bar to quickly move to a different spot in the current video.
Skip Playback	The LEFT/RIGHT buttons on the remote control will skip forward or backward by 30 seconds for each press.

9.5.2 TS Seamless Playback

This setting configures whether TS video files within the same folder will be played back seamlessly. This is the desired behavior when the TS files are parts of the same video.

Available settings: *On, Off*

9.5.3 BDMV Navigation

This setting configures the menu behavior when initiating the playback of BD movies that include menus, such as BD-ISO and BD Folders.

Setting	Description
BD Lite	The player will generate a simple BD navigation menu that allows the selection of Audio, Subtitle, Chapter, and Playlist. The player will automatically begin playing the main feature. If the player incorrectly identifies the main feature, access the BD navigation menu and change to the next Playlist.
BD 1.0	The player will detect and use BD Profile 1.0 menu. This setting should only be used if the BD movie contains a Profile 1.0 menu. Otherwise, choose BD Lite instead.

9.5.4 BDMV Folder Auto-Play

When turned on, the player will automatically begin playing a BD Folder when it is selected. When turned off, the player will navigate into the BD Folder instead.

Available settings: *On, Off*

9.5.5 BDMV Default Subtitle

This setting configures the default subtitle language for BD-ISO and BD Folder videos.

Available settings: *English, Simplified/Traditional Chinese, Korean, Japanese, Thai, Vietnamese, Spanish, French, German, Italian, Russian.*

9.5.6 BDMV Default Audio

This setting configures the default audio track language for BD-ISO and BD Folder videos.

Available settings: *English, Simplified/Traditional Chinese, Korean, Japanese, Thai, Vietnamese, Spanish, French, German, Italian, Russian.*

9.5.7 Subtitle Automation Recognition

When this setting is turned on, the player will automatically detect the text encoding for the subtitle. When turned off, the player will only use the subtitle text encoding selected by the user.

Available settings: *On, Off*

9.5.8 Subtitle Font Directory

This setting causes the player to automatically search for TrueType font files in the root directory of attached storage devices and make the available for selection in the subtitle menu. Once the font files are loaded, it can be used for text based subtitles such as SRT, SMI and SSA/ASS. Image based subtitles such as DVD IDX+SUB and BD PGS cannot use font files.

The font files will be available for use with videos on network shared folders. However, the font files must be on a storage device attached to the player, such as a hard drive or USB drive.

9.5.9 Subtitle Space

This setting specifies the distance between subtitles when using the dual-subtitle feature.

9.5.10 Subtitle Display

This setting specifies whether the player will display subtitles by default each time a video is played.

Available settings: *On, Off*

9.6 MISC Settings

The MISC settings menu contains items for player information and firmware update.

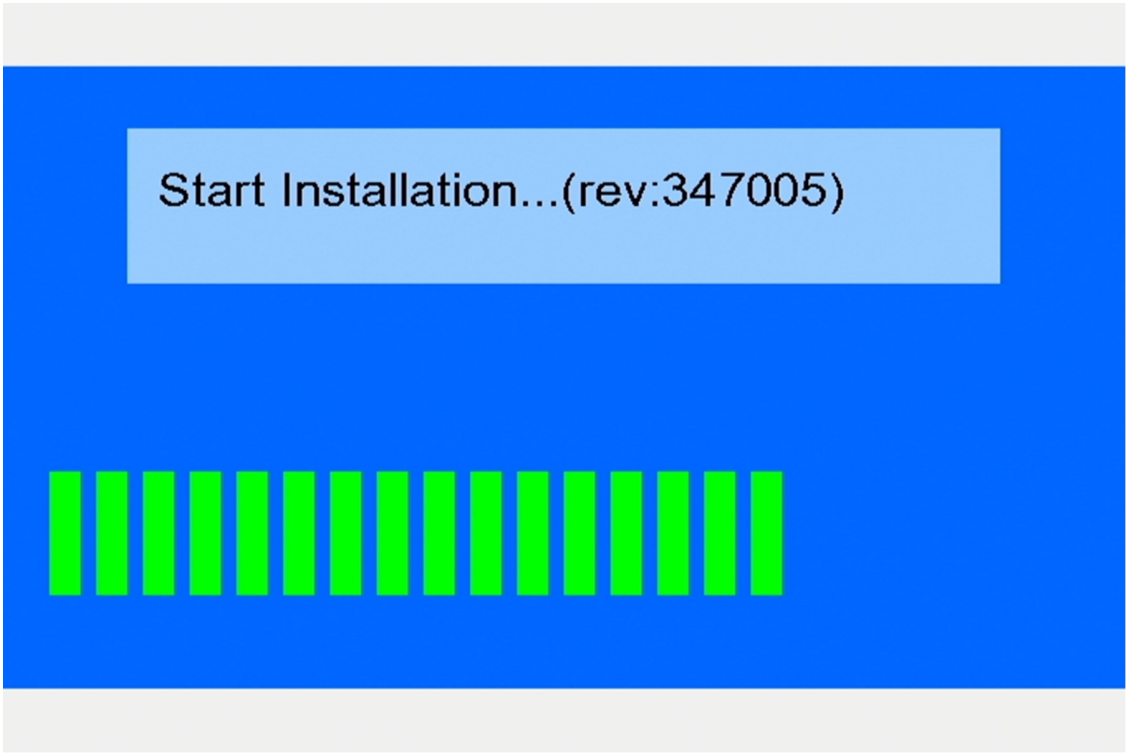
9.6.1 Version Info

This setting displays the current firmware version.

9.6.2 USB Upgrade

When new firmware becomes available, the player can be updated with this setting. To update the firmware, follow these steps:

1) Download the firmware and place the “install.img” file onto the root directory (i.e. not in any folders) of a USB drive.
2) Plug the USB drive into an empty USB HOST jack on the player.
3) With the player turned off, use a paper clip or tooth pick to press and hold the small pinhole recovery button on the back of the player.
4) While pressing the recovery button, press and release the power button on remote control. Continue to hold the recovery button for 5 more seconds, and then release it.
5) The recovery mode will begin upgrading the firmware from the USB drive:



6) Wait for the player to complete the firmware update. Please be patient as it may take several minutes to complete, during which the screen may be blank or show “no signal”. Do not interrupt the process or power off the player.

   When finished, the player will show the initial setup screen (refer to ‘***4.2 Initial Setup***’)

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